ZT ELITE MODELS

ZERO-TURN MOWER
OWNER'S, SERVICE & PARTS MANUAL

For additional information, please see us at

www.badboymowers.com

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This manual applies to the following equipment:

Bad Boy ZT Elite Series

ZT Elite 4800 48˝ 27 hp Briggs ELS
ZT Elite 4800 48˝ 27 hp Kohler
ZT Elite 6000 60˝ 27 hp Kohler
ZT Elite 4800 48˝ 726cc Kawasaki
ZT Elite 6000 60˝ 726cc Kawasaki

COMMONLY USED ITEMS AND PART NUMBERS

60˝ ZT Blade	Hi-Lift Fusion 038-6060-00	Gator Blade 038-6003-00	Wave Blade 038-6015-00
48˝ ZT Blade	Hi-Lift Fusion 038-5350-00	Gator Blade 038-5000-00	Wave Blade 038-4825-00
ZT Hydro Filters	063-1050-00		
60˝ ZT Deck Belt	041-1650-00		
48˝ ZT Deck Belt	041-1470-00		
ZT Pump Belt	041-6400-00		
Oil Filter	Briggs Engine 063-2004-00	Kohler Engine 063-5400-00	
Air Filter	Briggs Engine 063-4000-00	Kohler Engine 063-8080-00	
Motor Oil	10w30 (2 quarts)		
Hydro Oil	20w50 (4 quarts)		

SECTION 1: BASIC INFORMATION

Congratulations on the purchase of your new Bad Boy Mower! The purpose of this manual is to assist operators in maintaining and operating their machine. The information and instructions in this manual can help you attain years of performance from your new Bad Boy. Also, check out our website to learn more about the Bad Boy family.

1.1 All Bad Boy engines use 10W30 engine oil. Conventional or Synthetic may be used.
1.2 All Bad Boy hydraulic systems use 20W50 engine oil. Conventional or Synthetic may be used.
1.3 All Bad Boy Mowers use hi-temp multi-purpose grease. NLGI No. 2 for the grease fittings.
1.4 ZT models have 12 psi in both front and rear tires.
1.5 Most Briggs, Kohler, Kawasaki, and Vanguard engines hold two (2) quarts of motor oil.

Warranty Registration

The Warranty Registration form must be completed and signed to validate your warranty. As the new equipment owner, you are expected to see that the form is completed and forwarded to Bad Boy, Inc., at time of delivery. Warranty is non transferable.

Model/Serial Number

Your ZT model serial numbers are found on the SIN plate underneath seat. The serial numbers are necessary on the warranty registration form. Also, these numbers can assist you in the ordering of new parts when replacements become necessary.

Parts/Service

Only Bad Boy replacement parts are to be used on your mower.
Replacement parts are available through your local Bad Boy Mower Dealer. Remember to always provide the following information when ordering parts:

1. Correct part number
2. Correct serial number

All warranty repair and service must be handled through your authorized Bad Boy Mowers dealer. To locate the nearest dealer, go to our website and click on Locate a Dealer.

SECTION 2: MOWER SAFETY GUIDELINES

Never allow untrained people to operate this machine. It is the owner's responsibility to get training and see to it that anyone who has permission to use your machine receives the proper training.
Do not mow around people. The factory discharge chute is designed to deflect debris downward, but it could be possible for debris to be thrown in a way that can cause damage to people or property.
Seek additional training when possible to learn more about safety techniques and practices.

SAFETY PRECAUTIONS

2.2 Always remain seated while operating machine.

2.3 Always maintain a safe distance from people and pets while mowing.

2.4 Always disengage blades, place steering controls in neutral, engage parking brake, and remove ignition key when leaving operators seat.

2.5 Always operate machine in daylight or with adequate working lights.

2.6 Be alert of surroundings. Watch for rocks, stumps, and mounds or depressions while mowing.

2.7 Always wear eye protection while mowing and servicing.

2.8 Always wear ear protection, such as earplugs, while mowing.

2.9 If you strike something with the mower turn the blades and mower off, engage the parking brake, and inspect the machine for damage before resuming.

2.10 Be aware of low hanging limbs or objects that could potentially be hazardous while mowing.

2.11 Never operate a poorly maintained machine.

2.12 Never carry passengers.

2.13 Always buckle seat belt, if provided one.

2.14 Never attempt high speed maneuvering, especially around people or property.

2.15 Never put hands or feet under the machine while ignition is on.

2.16 Never refuel machine when engine is running.

2.17 Never leave key in ignition, especially around children.

2.18 Never run engine in enclosed area.

2.19 Do not touch hot parts of machine.

2.20 Do not remove deck wheels.

2.21 Conditions that can affect traction resulting in the loss of control of machine: Wet terrain, Hills or extreme angles, Depressions in the ground, Mounds of dirt, Extremely dry grass, Soil type (gravel, sand, clay), Tire pressure

2.22 Be aware of what is located at the bottom of slopes. For example, Rocks, Water, Cliffs, Roads and Highways

2.23 Safety warning decals are located on the mower and should always be observed and followed.

2.24 Never operate the mower with the discharge chute open.

2.25 Prevent Fires—Remove grass and debris from engine compartment and muffler area, before and after operating machine, especially after mowing or mulching in dry conditions.

2.26 Do not store machine near open flame or source of ignition, such as a water heater or furnace.

2.27 Do not attempt to mount a tire without the proper equipment and experience to perform the job.

2.28 Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure. Never weld or heat a wheel and tire assembly. The heat can cause an increase in air pressure resulting in a tire explosion. Welding can structurally weaken or deform the wheel.

2.29 Never operate machine in a closed area where dangerous carbon monoxide fumes can collect.

2.30 Let engine cool before storing!!!

2.31 Hydraulic hoses and lines can fail due to physical damage, kinks, age, and exposure. Check hoses and lines regularly. Replace damaged hoses and lines.

2.32 Park machine on level ground. Never allow untrained personnel to service machine. Understand service procedure before doing work.

SECTION 3: MOWER OPERATION

Never operate the machine with faulty equipment. Always be alert of sudden changes in landscape, as the mower will react differently on slopes or embankments than it will on flat surfaces. Never operate the mower with the discharge chute open. Do not cross terrain, other than grass, with blades turning. This could cause damage to property or bystanders.

3.1 Place parking brake in up position

3.2 Drive arms must be in the “open” position. While sitting on the machine, each arm is positioned away from the operator, to the right and left. Drive arms will lock into place and must be in this position to start machine.

3.3 Put PTO switch in the OFF position.

3.4 If your machine has been equipped with a ROPS (Roll Over Protection System) then you must fasten seatbelt.

3.5 If machine has not been started recently, engage the choke.

3.6 Make sure nothing is under or around machine.

3.7 Place key in ignition and turn.

3.8 Once machine is started, disengage the choke.

3.9 Increase RPM by sliding the throttle to fast position, toward the rabbit.

3.10 Owners must become familiar with the controls before operating a zero-turn radius vehicle.

3.11 Start slowly and build your skill level. Have ample practice before using the machine at full capabilities.

3.12 Be comfortable with machine before engaging blades. Know what each component controls before using machine.

3.13 Your mower will perform differently on an incline /decline. Be cautious, slow down, and do not make any sudden jerking movements with control arms. The machine could lose traction on a decline or tip backwards on an incline.

3.14 Once you become comfortable with your Bad Boy Mower you will notice your overall mowing time will decrease.

Avoid operating your mower on side hills of over 5 degrees, inclines of over 10 degrees, and declines of over 15 degrees.

SECTION 4: MOWER MAINTENANCE

***Check each and provide maintenance when needed.*

DAILY

4.1 Check Engine Oil

4.2 Check Engine Air Filter

4.3 Tire Pressure

4.4 Inspect Blades

Within FIRST five hours of usage, change engine oil and filter

EVERY 30 HOURS OF USAGE

4.5 Grease Machine

EVERY 50 HOURS OF USAGE

4.6 Change Engine Oil and Filters

Check filters once a year if under 50 hours

Check air and fuel filters more often in dry, dusty conditions

Within FIRST 50 hours of usage, change hydraulic oil and filters

EVERY 250 HOURS OF USAGE

4.7 Change Hydraulic Fluid and Filters

4.8 Refer to manufacturer manual for specific information on maintenance schedules.

SECTION 5: MOWER STORAGE & TRANSPORTATION

5.1 Keep machine from collecting debris by storing in a covered area while not in use.

5.2 Fuel can harm your machine if left for more than 30 days without changing, especially if the fuel contains ethanol. Never use fuel with more than 10% ethanol by volume. E-15 is not permitted.

5.3 Disconnect the negative battery cable when machine will be stored for more than 30 days.

5.4 Always secure machine properly when transporting machine.

5.5 Do not load machine on trailer with blades engaged.

5.6 Do not use ramps to load the machine.

5.7 Make sure Parking Brake is in “up” position.

5.8 In wet conditions tires may spin while loading / unloading. If necessary, wait for dry conditions before loading / unloading.

5.9 Make sure mode of transportation is suitable to bear the weight of mower.

5.10 Deck height should be set at maximum before attempting to load.

5.11 Secure mower with at least two straps capable of securing weight of mower.

SECTION 6: TROUBLESHOOTING

6.1 **Q:** ***How do I prevent an uneven cutting pattern and increase the quality of cut?***

6.1 **A:** Check tire pressure, check blade sharpness (replace blades or sharpen at least once per year or when needed), make sure blades are tightened properly, check spring and belt tension, check the underside of the deck to ensure the mower deck is free of grass build-up and debris, make sure your machine is at full throttle, and vary your mowing pattern each time you cut your grass.

6.2 **Q:** ***What should I do if my mower won’t start?***

6.2 **A:** Check battery charge and connection (grounds), check your fuel (make sure fuel is less than 30 days old and contains no water), make sure your spark plug is in good condition and spark plug wire is attached, and make sure air filter is clean (a dirty filter makes it more difficult for the engine to draw air). Check for broken wires or bad connections.

6.3 **Q:** ***What should I do if the blades won’t engage?***

6.3 **A:** Make sure the safety switch is plugged in on the bottom of seat. Check the underside of the PTO engager to ensure the plug is secure at switch.

6.4 **Q:** ***What type of fuel is recommended for my mower?***

6.4 **A:** We recommend that you use a name brand fuel to ensure quality. Use fuel with an octane rating near 87. Higher octane fuels offer no benefit. Only fuels with an ethanol content of 10% or less may be used. E-15 is not permitted.

6.5 **Q:** ***Do you offer touch-up paint for your mowers?***

6.5 **A:** Touch-up paint is available. Contact your local dealer for more information.

6.6 **Q:** ***How durable is the electric deck lift?***

6.6 **A:** The actuator which controls the deck height is designed for moving loads of up to 1000 pounds and has a static holding capability which exceeds 3,000 pounds. Our ¼˝ deck weighs approximately 250 pounds which is only 25% of working capability.

SECTION 7: CONTROLS

7.1 **Ignition Switch**—Bad Boy Mowers have a three position ignition switch: off, run, and start. With key inserted, rotate it clockwise to START position and release key when engine starts, and switch will automatically return to he RUN position.

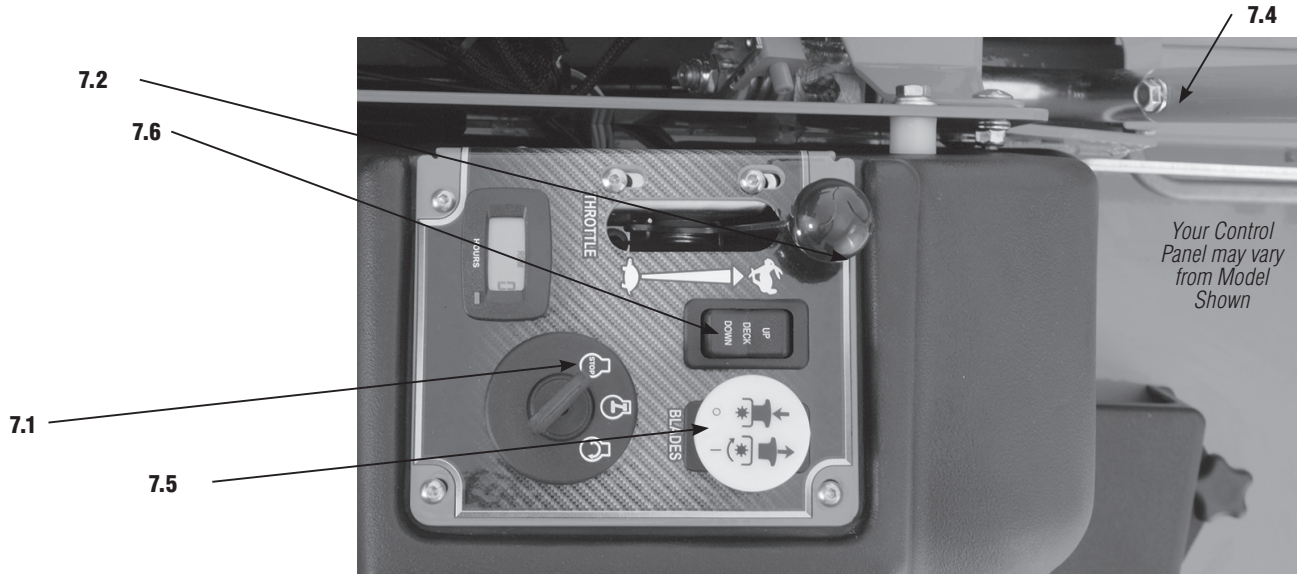
7.2 **Throttle Control**—A cable is connected to the engine throttle for controlling engine speed. Move lever forward to increase engine rpm, move lever backward to decrease engine rpm.

7.3 **Choke Control**—(Not Pictured located on left side by hand brake). When the lever is in the down position, the choke is in the off (run) position. When the lever is pulled up, the choke is in the on (start) position. Do not operate the machine in the on (start) position.

7.4 **Control Levers**—These levers control the mower's speed, direction, and neutral lock. These levers are used to steer, accelerate, decelerate and change direction. (Drive Arms)

7.5 **Blade Engage Switch**—This switch engages the blades. Pull the switch up to engage the blades and push the switch down to disengage the blades.

7.6 **Deck Lift Control**—The deck lift switch is used to raise and lower the deck. Pull the switch backwards to raise the deck and push the switch forward to lower the deck.



SECTION 8: MOVING INOPERABLE MOWER

8.1 Do not tow machine. Use a winch to load on a trailer for transporting.

8.2 **ATTENTION:** RETURN BYPASS VALVES TO OPERATING POSITION BEFORE RUNNING MOWER FOLLOWING REPAIRS.

8.3 ZT Models are equipped with two neutral engage/disengage arms, located at the rear of the mower protruding from the frame and under the muffler. By pulling the arms out the mower can be put in a neutral position. Return the arms to the "forward position for normal operation.

8.4 Your Bad Boy Mower Weighs: ***ZT SERIES:*** ***800—850 lbs***

**** Weights fluctuate with the addition of accessories.*

8.5 As you can see by the weights of the machines, you shouldn't ever try to push or pull a Bad Boy Mower by hand. This could cause serious bodily injury.

8.6 Hopefully, you'll never need to use this section of the manual. However, if you do, use extreme caution when moving machine!

SECTION 9: INSTRUMENTATION

9 .1 **Electronic Hour Meter**—Registers Hour increments up to 9,999.9 total hours. This meter records the cumulative time the engine is running.

SECTION 10: MOWER BLADE MAINTENANCE

10.1 Check mower blades after each use. This is essential for maintaining well-groomed turf. Keep the blades sharp. If a dull blade is used for cutting, the grass will tear rather than cut. This could damage the grass leaving a brown frayed top on the grass within a few hours. A dull blade will also require more power from the engine.

10.2 NEVER attempt to straighten a bent blade by heating. NEVER attempt to weld a cracked blade. The blades can break and cause serious injury or death.

10.3 NEVER work with blades while engine is running or deck clutch is engaged.

10.4 ALWAYS place deck clutch in DISENGAGE position while performing maintenance.

10.5 Use blocks when you MUST work under mower.

10.6 ALWAYS wear thick gloves when handling blades.

10.7 ALWAYS check for blade damage if mower strikes rock, branch, or other objects that could potentially damage the blade. ***(REMEMBER: NEVER CHECK BLADE WHILE ENGINE IS ON! NEVER CHECK BLADES WHILE BLADES ARE ENGAGED!)***

SECTION 11: GREASING THE BEARINGS

11.1 Park the machine on a level surface and disengage the blade control switch.

11.2 Move the motion control levers outward to the neutral position, engage parking brake, stop the engine, remove the key, and wait for all moving parts to stop before leaving the operating position.

11.3 Grease Type: NGLI grade #2 multi-purpose gun grease. Grease the front caster pivots.

11.4 Clean the grease fittings with a cloth. Scrape any paint off the front of the fitting(s).

11.5 Connect a grease gun to each fitting. Pump grease in fittings until grease begins to seep out of the bearings. Wipe up excess grease.

11.6 Refer to service manual section for grease fitting locations.

HOW TO CHOOSE THE RIGHT BLADE

Essentially there are only TWO basic styles of mowing blades used or approved for use on our current products:

1) The standard style of mowing blade is essentially designed for cutting grass and effectively discharging the clippings out from the deck to fall onto the lawn or to be captured in a grass collection system. Standard blades are also referred to as "2-in-1" (discharging & bagging) or "high-lift" blades (because they are designed to create a higher-lifting airflow).

2) Mulching blades generally have a more curved style surface and frequently include extra cutting surfaces along the blade edges. These blades may also come in a "+" design (which is actually two individual blades arranged in a perpendicular fashion to enhance mulching). The "+" blades are usually found on older style mowers; newer ones utilize blades with more advanced mulching technology. Mulching blades may also be referred to as "3-in-1" (mulching, discharging & bagging) or "all-purpose" blades.

Bear in mind that the re-circulating airflow design of 3/1 blades makes them less efficient at discharging grass clippings than a standard 2/1 blade. As with most all-purpose tools, there is some give and take as opposed to using a tool designed for a more specific purpose.

If you're experiencing less-than-desired cutting or discharging performance with a 3/1 blade, you may want to check into using a 2/1 blade. Conversely, if you're using a 2/1 blade and want to mulch clippings, you should see about the availability of mulching blades or a mulching kit.*

The type of blade installed on a new mower is a decision the retailer makes for each model of mower, based on the expected needs of most customers. If you're unsure of which blade is on a particular model, inspect the blade. Blades have part numbers stamped into them. Then compare these part numbers with the unit's Operator's Manual or Parts List.

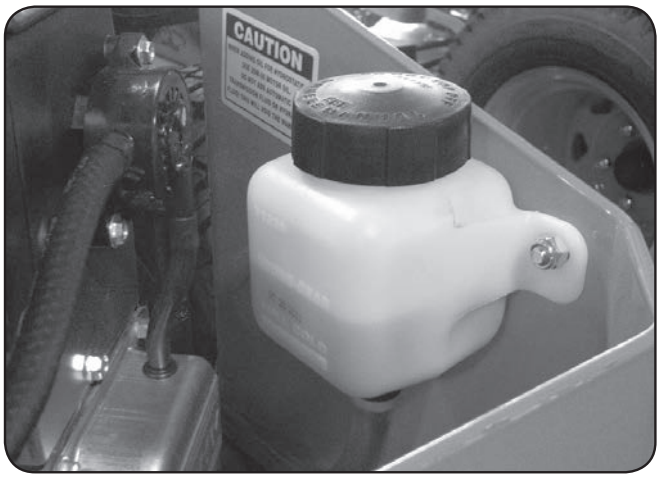
It is true there are many other styles of blades available. But since we don't manufacture or recommend using these other aftermarket styles, we will leave them out of this discussion. Should you want more information on special application or aftermarket blades, you should contact the companies that make these products. NOTE: Customers using non-OEM blades do so at their own risk. The use of unapproved (non-OEM) blades may void any or all of the mower and engine factory warranties.

**** MULCHING KITS*** – These generally consist of mulching blades and a mulching plug (which closes off the discharge opening to keep the clippings contained under the deck for re-cutting) plus any necessary hardware for installation. Please check with your parts distributor regarding the contents of a particular mulching kit.

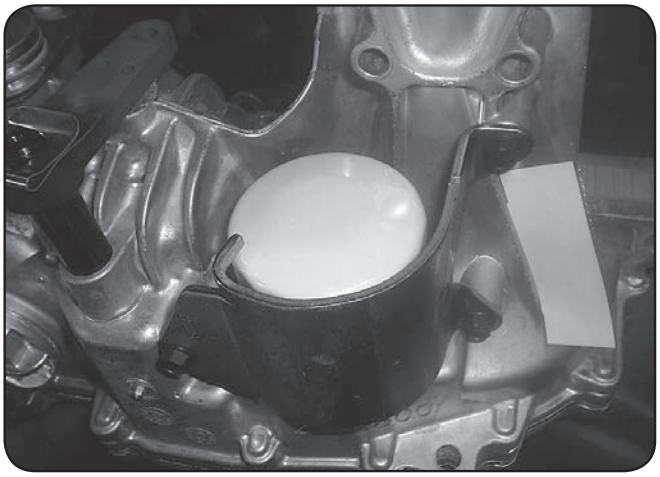
SERVICE SECTION

SECTION 1: HYDROSTATIC SYSTEM

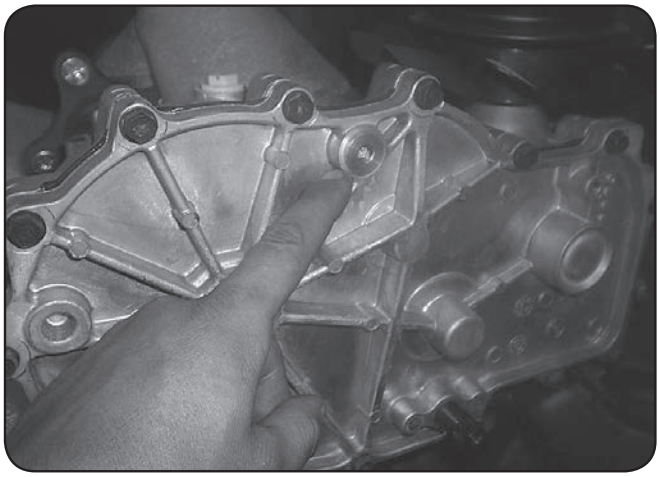
The hydro overflow tanks on a ZT are located on the sides of the rear cover. Notice the “full cold” line at the bottom of the tank. Use only 20w50 motor oil in this tank. Conventional or synthetic oil may be used.



When servicing a mower with a sealed transaxle unit, start by removing the filter skid plate on the bottom of each unit. The skid is held on by three 10mm bolts. Next, remove the filter. The filter also serves as the oil drain. Each transaxle holds about 2 quarts of hydro oil.Re-install new filters and skid plates. Use only hydro-gear filters. Use of any other type of filter will result in damage to the hydro system and void the warranty. Transaxle service recommended within the first 50 hours of usage and every 250 hours thereafter or once a year.



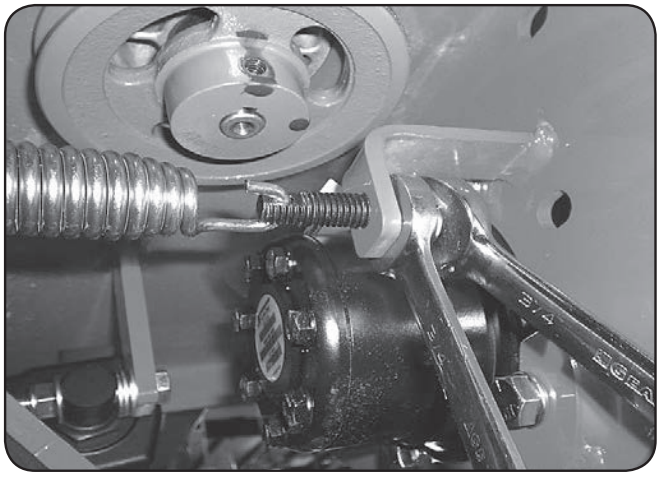
The check plug is located at the top center of the inside case of each transaxle. The transaxle can be filled with oil by removing these check plugs from both transaxles and pouring the oil in the hydro overflow tank, located behind the seat. Oil will begin to run out of the check plug holes when the transaxles are full. Use only 20w50 motor oil in the hydro system.



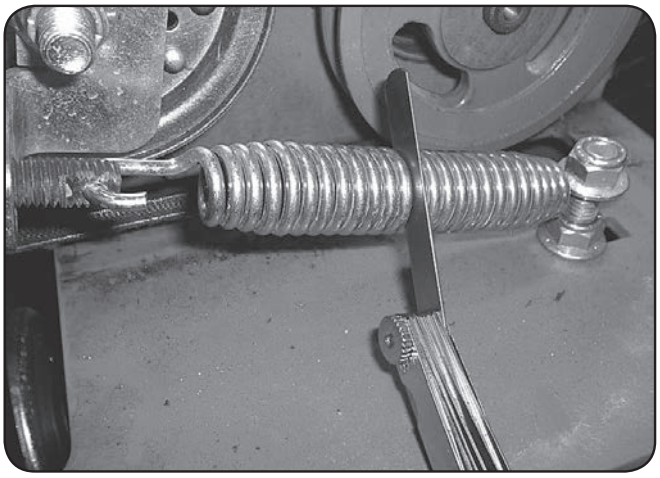
Once the system is filled with oil, lift rear of mower until rear tires are off the ground. Start engine, release parking brake, stay clear of moving rear tires. Next, pull the neutral bypass levers (located at the rear of the frame, on either side of the muffler), move the drive arms forward and backward 4 to 6 times slowly. This relieves any air that may be trapped in the system. It may be necessary to add more oil to the hydro overflow tank after 10-15 minutes of running. These bypass levers also serve as a neutral for moving the mower without the engine running.

SECTION 2: DRIVE BELT

Shown on the right is a typical pump belt tensioner for your ZT model mower.

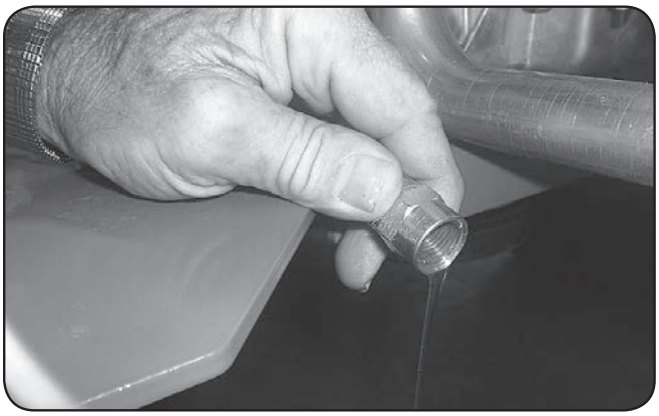


Tightening the two ¾˝ jam nuts on the right side will increase the belt tension on all models. Factory setting is about .030˝ (about the thickness of a credit card) between coils as shown.

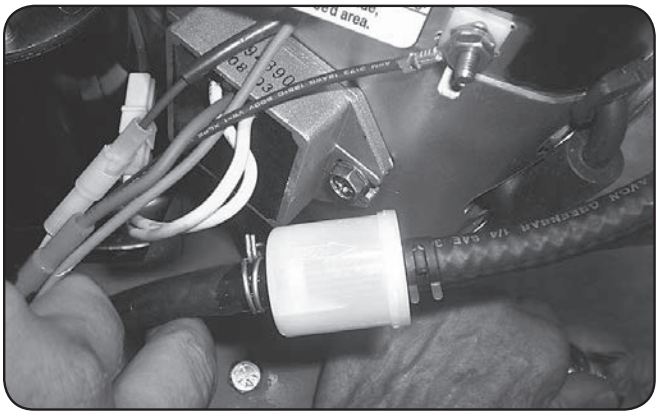


SECTION 3: ENGINE

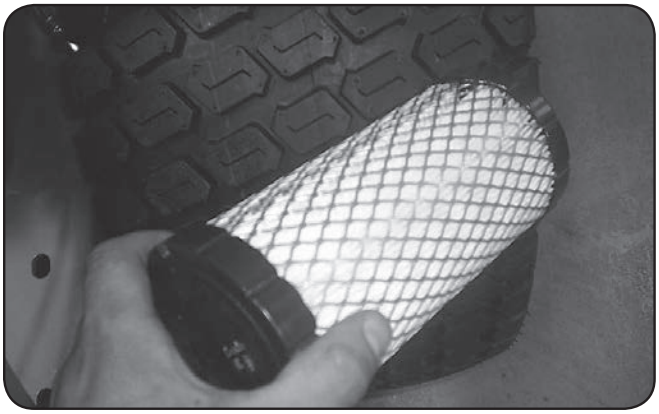
Most models have a drain hose installed on the engine, for easier oil changes. All gas engines used by Bad Boy use 10w30 and have an oil capacity of 2 quarts. Bad Boy recommends that the oil and filter be changed every 50 hours of usage.



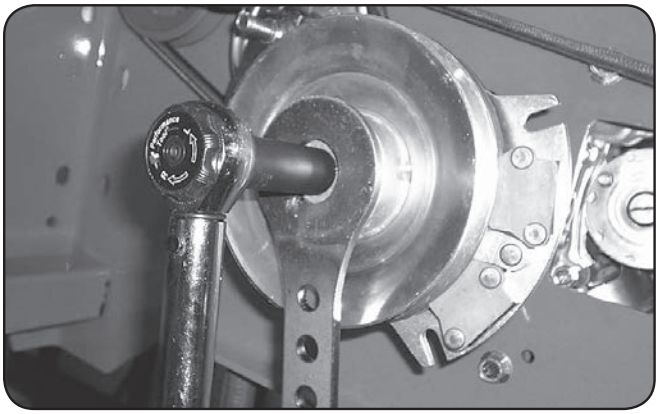
The fuel filter is located in the fuel line about 12˝ from the carburetor on the side of the engine. Note the direction of flow on the side of the filter. Replace once a year.



Remove and inspect air cleaner weekly. (More often in dusty conditions). Do not blow filter out with air pressure, this will cause the filter to be filled with tiny holes that will allow dirt to enter. Instead, tap filter on side to remove any debris. Replace at least once a year, more often in dusty conditions

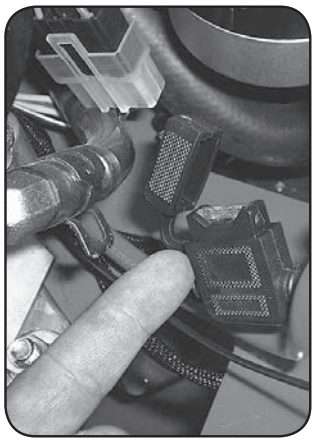


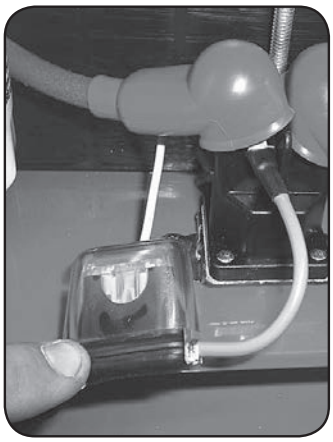
Torque the clutch bolt to 50 ft. lbs. on all models.
Re-torque at every oil change.
(All Models)



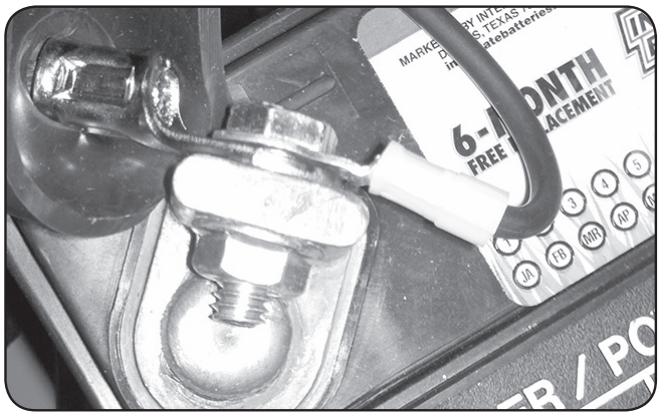
SECTION 4: ELECTRICAL SYSTEM

On most larger commercial engines (27 hp and up), the 25 amp main fuse is located about 3˝ from the starter on the engine. (shown in first image on right). On smaller commercial and light duty commercial mowers, the 25 amp main fuse is located just behind the battery connected to the starter solenoid. (Shown in second image on right).

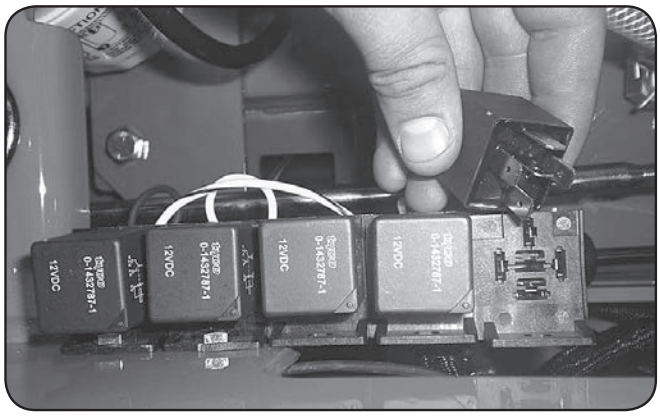




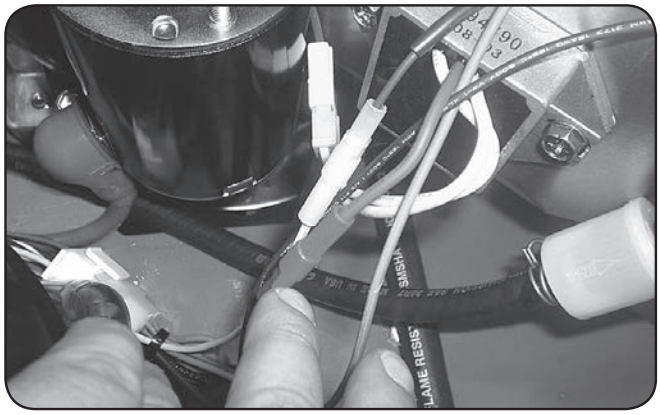
Always check the condition of the wiring harness ground cable. The ground is located just inside of the right side fuel tank on most models. Ensure that the ground is connected, clean, and tight. On some models, this wire may be connected to the negative side of the battery.

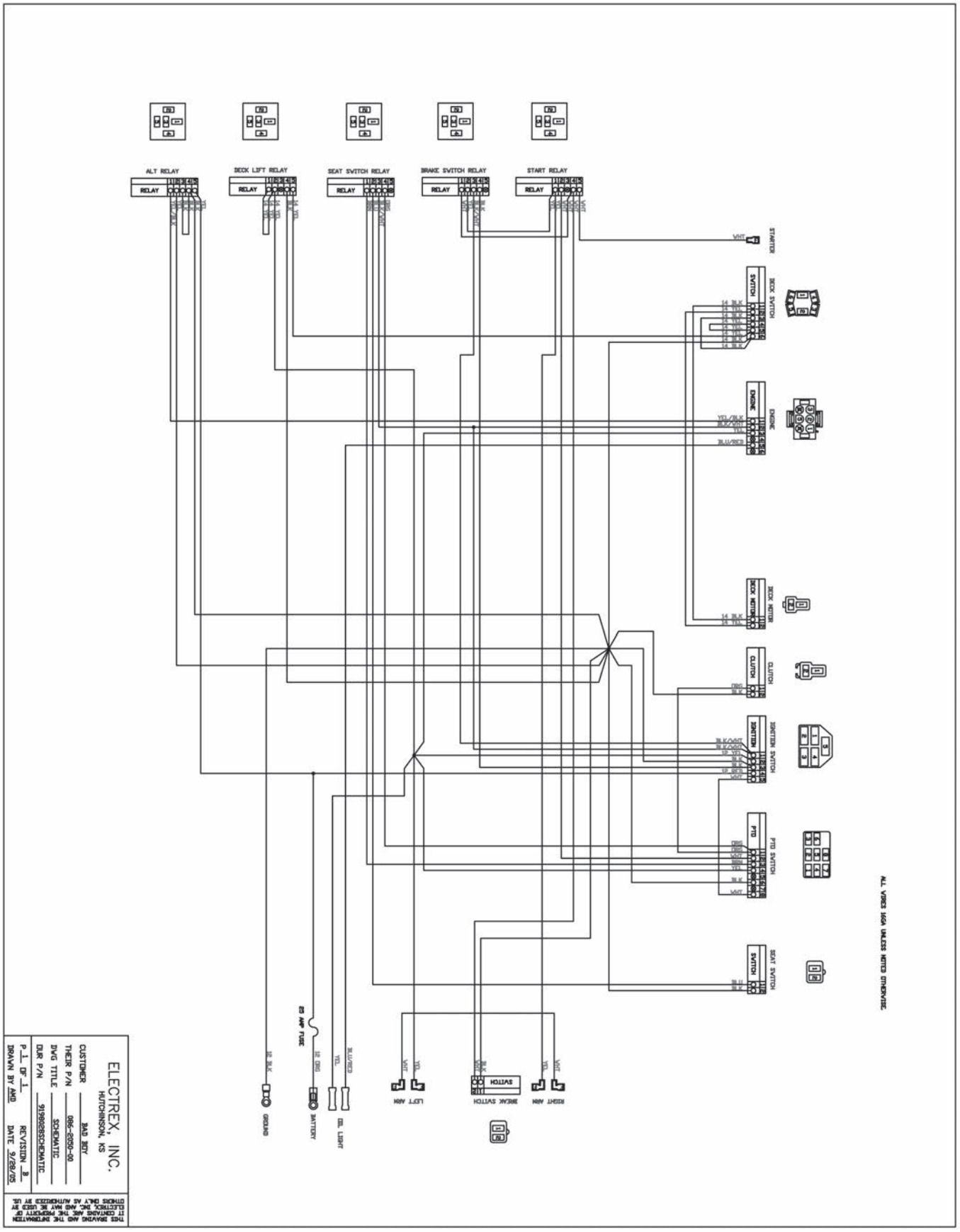


Check the condition and connection of the relays located under the seat. Ensure that they are clean and connected. Make sure that wire terminal ends have not been pushed out of the relay block.



On most models, the red wire coming out of the engine is the charging wire from the alternator. Check for 13.6—14.2 volts DC at this wire with engine at full throttle.




ALT RELAY
DECK LIFT RELAY
SEAT SWITCH RELAY
BRAKE SWITCH RELAY
START RELAY
RELAY
STARTER
SWITCH
DECK SWITCH
ENGINE
DECK MOTOR
CLUTCH
IGNITION SWITCH
PTO
PTO SWITCH
SEAT SWITCH
LEFT MM
BRAKE SWITCH
RIGHT MM
GROUND
BATTERY
COIL LIGHT
25 AMP FUSE
ALL WIRES 16GA UNLESS NOTED OTHERWISE.
ELECTREX, INC.
HUTCHINSON, KS
CUSTOMER BAD BOY
THEIR P/N 086-2050-00
DVG TITLE SCHEMATIC
DWR P/N 91990285SCHEMATIC
P. 1 OF 1
REVISION B
DRAWN BY AMD
DATE 9/28/05
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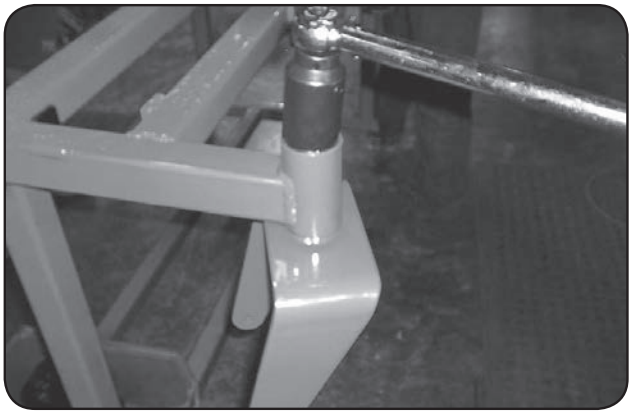
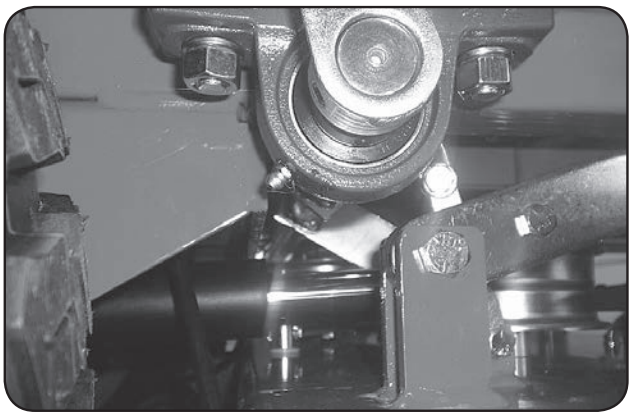
SECTION 5: FRAME

For non-suspension models, torque front fork nut to 40 ft. lbs. Be sure to spin the fork while torquing the nut to ensure that no bearing damage is done.

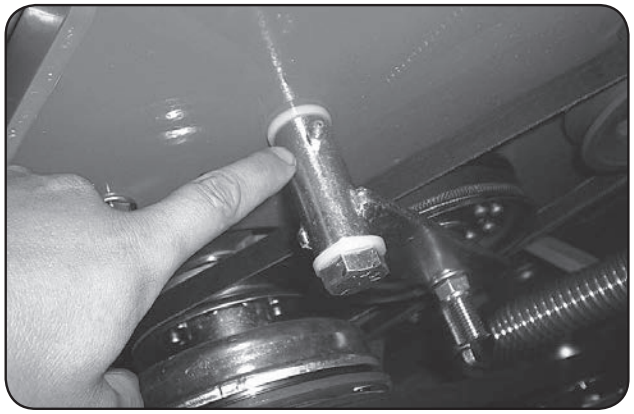


Torque rear wheel lugs to 65-75 ft. lbs.
Re-torque at every oil change.

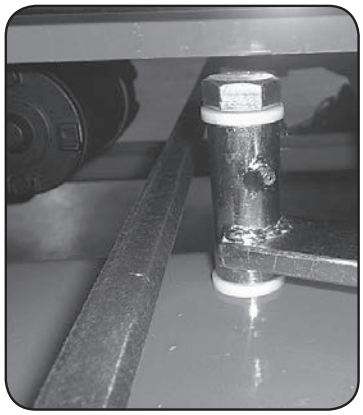
There is one grease fitting on each of the actuator bar pillow blocks located under the fuel tanks. Grease twice a season.

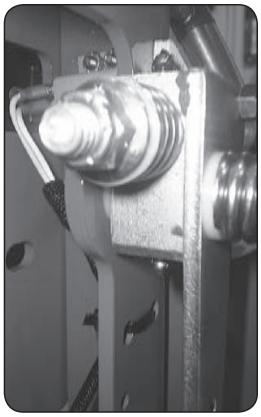


The pump belt tensioner is located under the engine and has a grease fitting at its pivot point. Grease at every engine oil change.



The deck belt tensioner is located at the rear of the deck and has a grease fitting on its pivot point. Grease at every engine oil change.





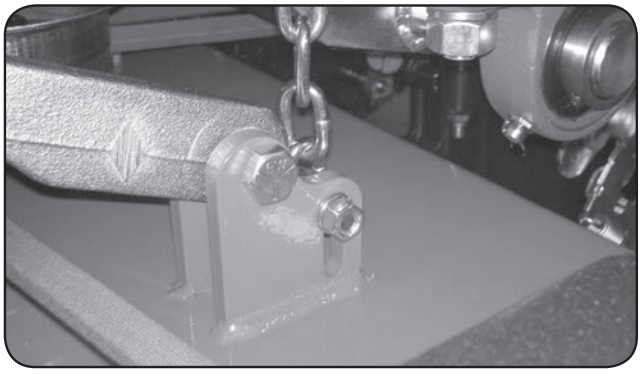
The control arm blocks have grease fittings located on the top and bottom of each block. Grease one time a year.

SECTION 6: CUTTING DECK

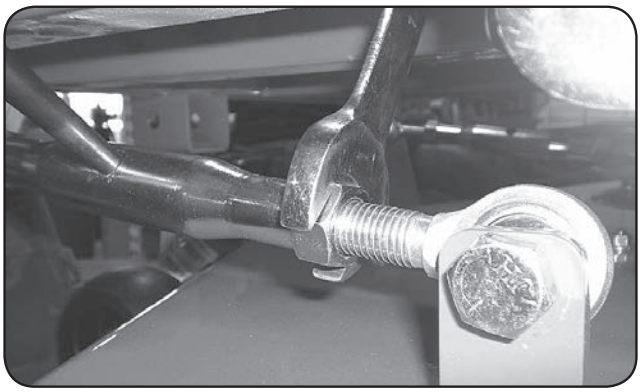
To remove the deck belt, lift up on the belt while rotating the pulley to roll the belt up and off of the pulley. (be sure not to get your fingers between belt and pulley).

To check the level of the deck, start on a flat surface and set the air pressure in all four tires. Raise the deck up, and measure all four corners of the deck to see if it is level from left to right and front to back. All decks should be level from left to right and have a 1/8˝ pitch down in the front.

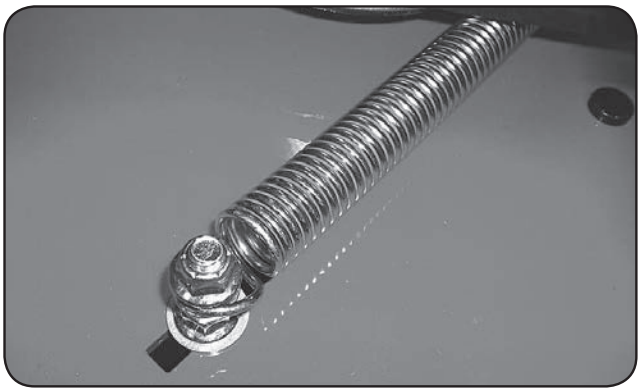
If deck adjustments are necessary, start with the chain length adjusters. These adjusters affect the overall height of the deck and the level from left to right.



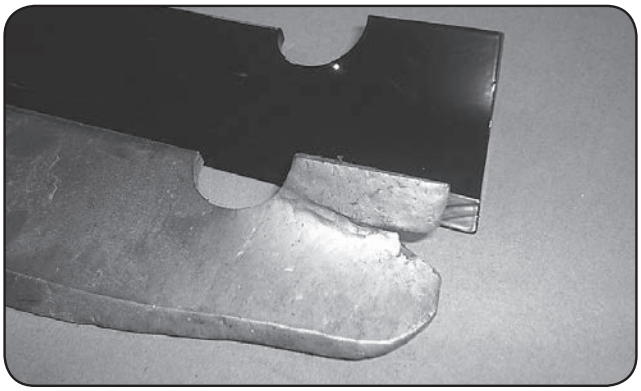
The large turn buckles on the front of the deck only affect the pitch of the deck or the level from front to back.



The deck spring tension is critical. If the tension is too much, it will cause the spring to break. If too loose, the belt can jump off or slip on the pulleys and cause a cut quality issue. With the deck up, the spring coil gap should be about .025˝ - .030˝ (about the thickness of a credit card). Spring tension adjustments can be made by sliding the bolt shown above forward or backward in the slot of the deck.

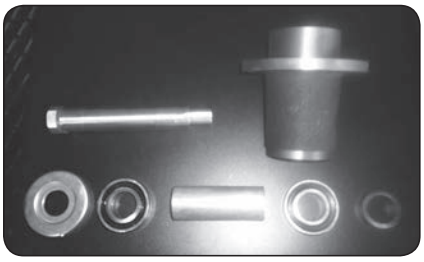


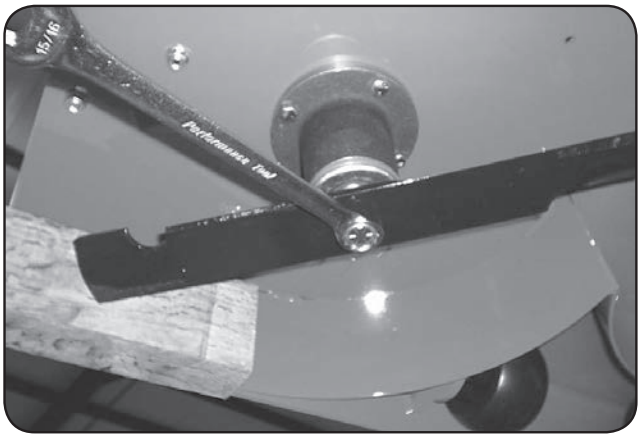
The condition of the blades can drastically affect the cut quality of the mower deck. Replace as necessary. These blades were used considerably too long. Resharpening is recommended by professionals only to determine when the blade needs to be replaced and because of the need for rebalancing.



To change blades, it may be easier to use a piece of wood to keep the blade from turning so that the bolt can be loosened. Re-torque the blade bolts to 90-110 lbs.

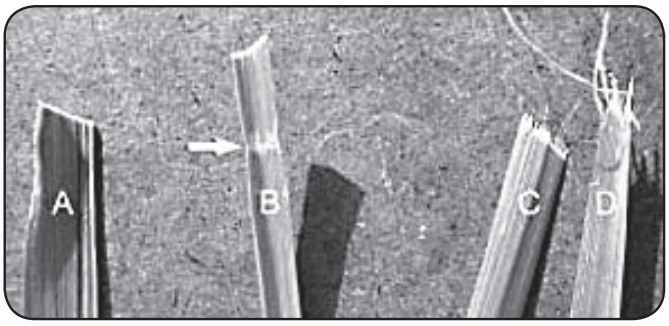
The blade spindles contain a sealed ball bearing in the top and bottom of the spindle. The bearings are replaceable for a more cost effective repair.





MOWING TIPS:

- Mow header strips at the ends of the lawn and around flower beds first. Make them wide enough that you can turn the mower around in the already mown section. Then mow back and forth between these header strips overlapping each lap by about 1/8 the width of the mower's deck.
- Don't cut your grass too short, particular for cool season grasses. Higher heights usually provide for a deeper root system, looks better, and is less likely to have weeds invading, particularly crabgrass.
- Don't remove any more than one third of the grass leaf at any one cutting. If circumstances arise that a lawn gets too tall and you just have to lop off a bunch to get caught up, bite the bullet and break it down into several mowings to get caught up with 3 or so days between cuttings.
- **NEVER SCALP YOUR LAWN.** Scalping severely damages the root system to such a degree that it may die.
- Avoid mowing when the grass is wet or when it's dark
- Avoid throwing grass clippings into the street and driveway where they can be washed into the sewer system. After mowing, clean up driveway and walkways.
- When mowing remove only a third with each cutting (except for the first mowing of the season when it's ok to remove more). You can safely leave clippings that will quickly decompose and add nutrients back into the soil. Contrary to popular opinion, grass clippings do not add to thatch buildup. Grass blades are made up of about 75% water.
- Mow your lawn in a different direction with each mowing, especially with lawns of shorter grass types. Altering the direction ensures a more even cut since grass blades will grow more erect and less likely to develop into a set pattern.
- Keep your mower's blade sharp, which means having it sharpened several times during the mowing season. Keep several blades around so you'll always have a sharp one on hand. Sharp blades cut the grass cleanly and help mulch clippings into small pieces which break down quickly.
- Don't forget to change your mower's oil at least once during the mowing season. For brand new mowers, change the oil after about 5 hours of operation during the initial break-in period.
- At the end of the mowing season use a fuel stabilizer in the remaining gasoline
- In the spring, don't use that old gas unless you properly used a fuel stabilizer, it can cause a number of problems. Better to use fresh gasoline to begin the new mowing season.



- **Leaf blade A** demonstrates what a leaf blade should look like after mowing with a sharp blade.
- **Leaf blade B** demonstrates a leaf blade that was injured by a dull mower blade.
- **Leaf blade C** was cut by the mower but indicates that the mower blade is not sharp enough. The shredded white tissue protruding from the leaf blades C and D is the vascular tissue of the plant.
- **Leaf blade D** has been mown for quite some time with a dull mower blade.

To bag or mulch?

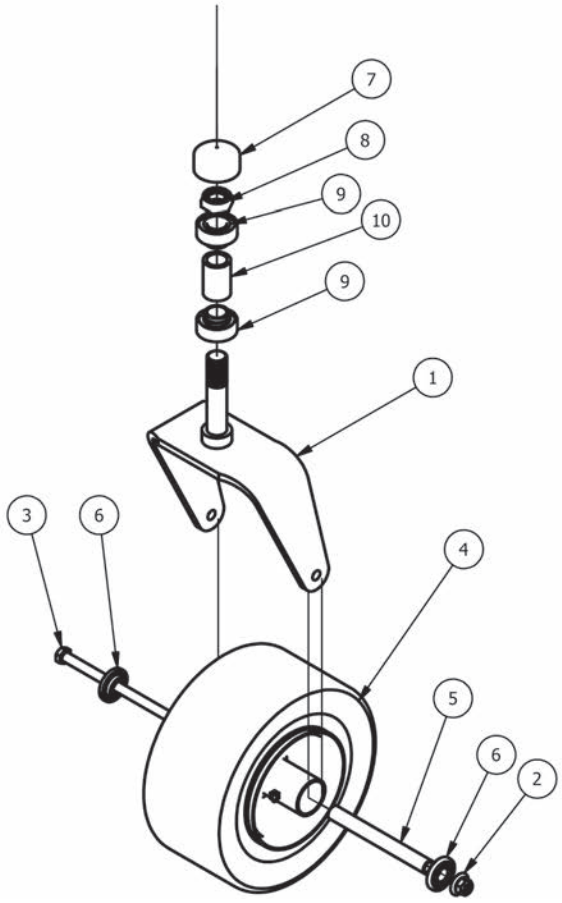
Grass clippings do not contribute to thatch buildup or increase the chances of disease. If you mow your lawn at the right height, without removing any more than 1/3 of it's total height, clippings will quickly breakdown without a trace. These clippings contribute additional nitrogen and other nutrients to the soil and supply it with additional organic materials. Clippings from a 1000 sq. ft. lawn can add as much as 1 - 2 pounds of nitrogen back into the soil.

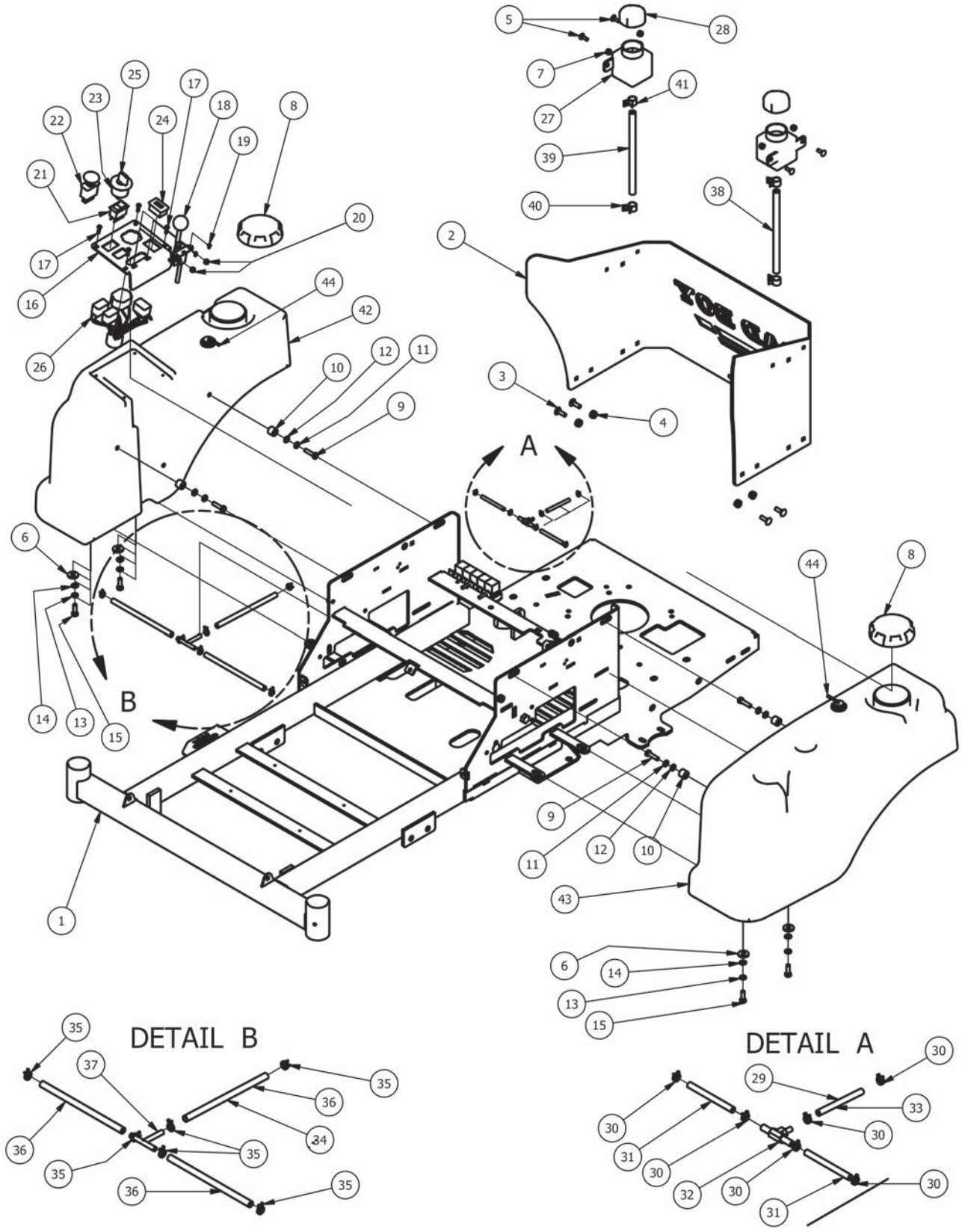
If you have a compost pile, then you may want to bag your clippings occasionally to add much needed green-matter to the compost pile. Make sure it is mixed thoroughly with brown matter to avoid a strong ammonia odor. **DO NOT COMPOST CLIPPINGS** after applying any weed control or weed-feed type product. Before adding clippings to the compost pile wait at least 3 mowings after these products have been applied.

PARTS SECTION

Front Fork Assembly

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	023-7913-00	Front Fork
2	1	013-8050-00	1/2-13 Nylon Flange Nut-Orange
3	1	018-7010-00	1/2" x 9" Bolt
4	1	022-2006-00	Tire and wheel assembly
5	1	025-5202-00	Front Wheel Spanner
6	2	022-7009-00	Wheel Bearing
7	1	014-2050-00	Rubber Bearing Cap
8	1	013-9004-00	1" Fine Thread 1/2 Nut
9	2	010-2000-00	Caster Bearing -MZ, 2009 & up
10	1	025-0004-00	ZT/CZT Caster Bearing Spacer




DETAIL B
DETAIL A
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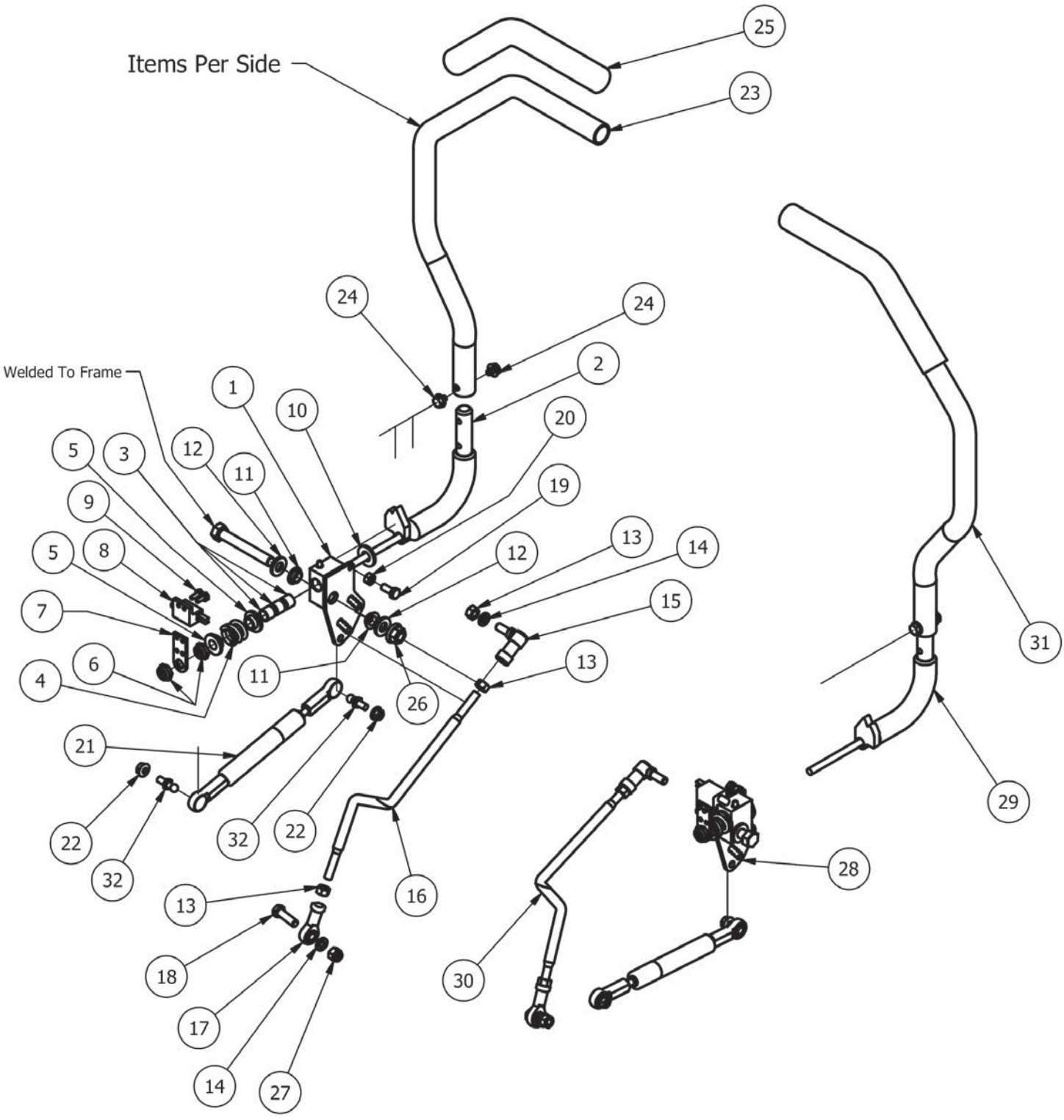
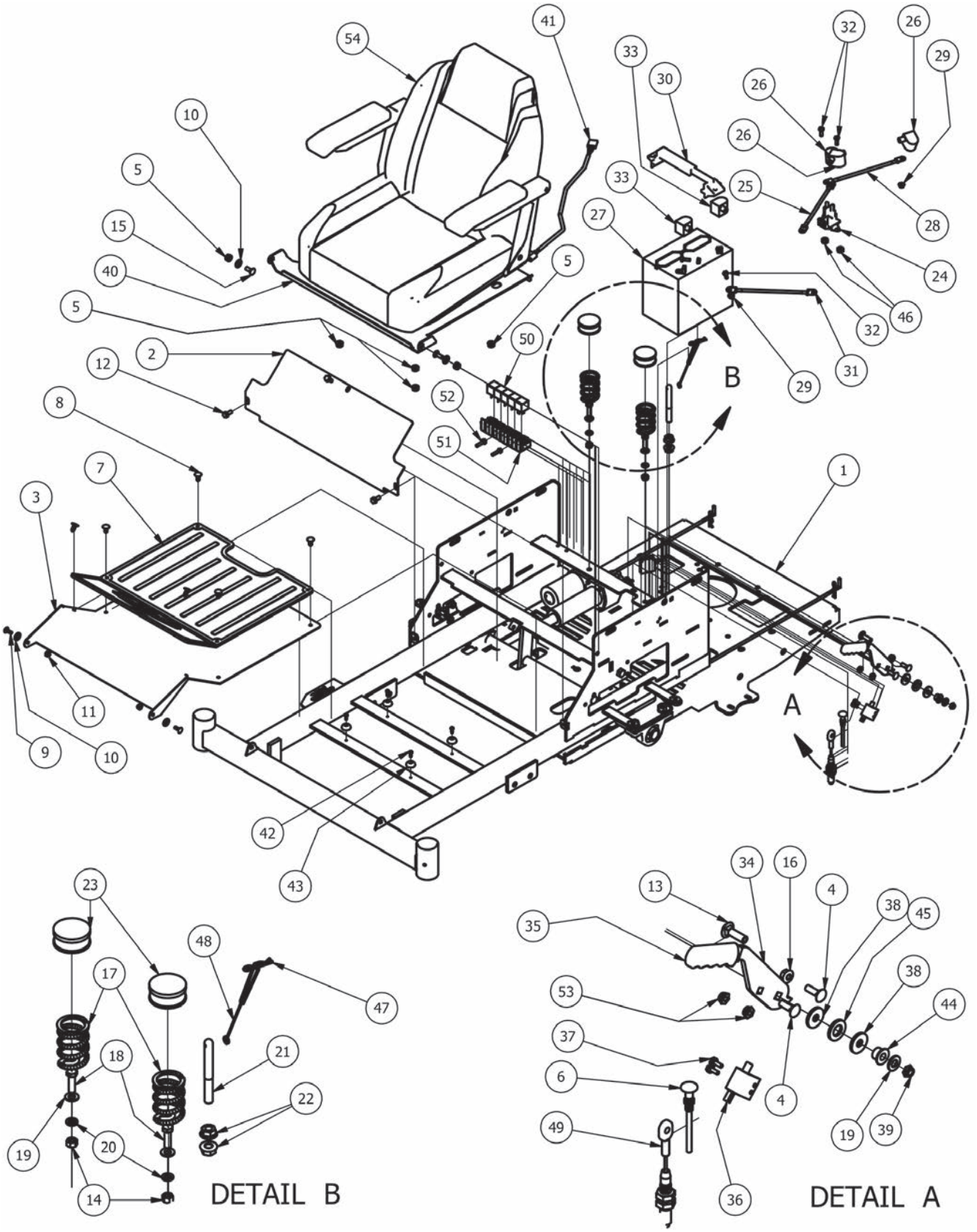
2013 ZT Gas Tank Assemblies			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	070-5410-00	ZT/cZT Frame 2013 Models
2	1	026-0070-00	2013 ZT/cZT Rear Cover 27KO/26KA
3	6	018-8065-00	5/16" x 1" Carriage Bolt
4	11	013-8049-00	5/16-18 Nylon Flange Nut
5	6	018-8040-00	1/4" x 3/4" Carriage Bolt
6	9	019-6042-00	.360 ID Plastic Washer
7	6	013-8073-00	1/4" Nylock Nut
8	2	066-8083-00	Fuel Cap
9	1	018-2006-00	5/16 x 1 1/4 Hex Bolt
10	1	025-2000-00	.380x.735x.470 Nylon Spacer
11	1	019-8051-00	5/16" Lock Washer
12	1	019-7040-00	1/4" Flat Washer
13	1	019-8051-00	5/16" Lock Washer
14	1	019-7040-00	1/4" Flat Washer
15	1	018-2007-00	5/16" x 1" Bolt
16	1	079-3450-00	2013 ZT/cZT Control Panel
17	4	018-2010-00	10-32 x 3/8" Button Socket Head Bolt
18	1	055-8020-00	Throttle Lever Assembly
19	2	018-5200-00	10-24 X 5/8 BS C/S 18-8 SS
20	2	013-5019-00	10-24 Nylon Insert Locknut
21	1	078-3000-00	Rocker Deck Lift Switch - 2011
22	1	056-8058-00	PTO Engager
23	1	077-8076-00	Ignition Switch
24	1	083-4013-00	Tachometer
25	1	042-9000-00	Ignition Key
26	1	086-3050-00	Harness-ZT Only-2008 and up
27	2	067-8090-00	350ml Expansion Tank-CZT
28	2	066-5050-00	Hydraulic Tank Cap
29	1	051-8082-00	2013 ZT Air Hose Assembly
30	6	072-8070-00	3/16 vinyl clamp
31	2	051-8073-00	3/16 vinyl tubing
32	1	073-2000-00	Brass fuel line T
33	1	051-8072-00	3/16 vinyl tubing
34	1	051-2013-00	2013 ZT Fuel Line Assembly
35	6	072-8069-00	1/4 fuel clamp
36	3	051-8067-00	1/4" fuel line hose
37	1	073-8068-00	fuel line T
38	2	051-6098-00	2013 ZT Hydraulic Hose Assembly
39	1	051-8063-00	3/8 clear hose price per foot
40	1	072-8066-00	1/2 Hose Clamp
41	1	072-8065-00	3/8 hose clamp
42	1	067-9000-50	2013 ZT Fuel Tank- Right
43	1	067-9001-50	2013 ZT Fuel Tank- Left
44	2	067-6052-00	Rollover Valve-White

ZT Drive Arm Assemblies



ZT Drive Arm Assemblies			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	027-8900-00	2013 Drive Lever Housing (Left)
2	1	031-9020-00	Steering Arm Elbow - Left
3	3	032-8024-00	.507 ID Nylon Bushing
4	1	034-8025-00	Drive Lever Spring
5	2	019-8027-00	.515 ID Nylon Shoulder Washer
6	2	018-4010-00	1/2" Nylcock Nut (1/2 Jam)
7	1	039-1125-00	MZ Switch Bracket
8	1	077-8073-00	Safety Switch
9	2	018-1080-00	12-24x 1/2 HWH Bolt
10	1	019-8054-00	.505 Nylon Spacer
11	2	032-5055-00	Bushing for 2012 Drive Arms
12	2	019-7000-00	.505x1x .125 Oil Impregnated washer
13	3	013-6051-00	3/8" Fine Threaded Jam Nut
14	2	019-5037-00	3/8" Lock Washer
15	1	099-2009-00	3/8-24 Quick Release Ball Joint
16	1	035-5451-00	Push Rod for ZT/cZT - Left
17	1	048-3000-00	Spherical Rod End - Outlaw
18	1	018-5040-00	3/8" x 1 1/4" Hex Bolt
19	1	018-8063-00	5/16" x 3/4" Hex Bolt
20	1	013-8043-00	5/16" Nut
21	1	087-3000-00	Steering Damper For Outlaw
22	2	013-9002-00	5/16" Flange Nut
23	1	031-8850-00	ZT Direction Steering Arm (Left)
24	2	018-2020-00	5/16-18 1/2 HWH Bolt-Steering
25	1	069-4007-00	Rubber Grip
26	1	013-0085-00	1/2-13 Hex Flange (GR.G) ZC
27	1	013-5041-00	3/8 Nylock Nut
28	1	027-8901-00	2013 Drive Lever Housing (Right)
29	1	031-9025-00	Steering Arm Elbow - Right
30	1	035-5450-00	Push Rod for ZT/cZT - Right
31	1	031-8851-00	ZT Direction Steering Arm (right)
32	2	018-2050-00	10mm Damper Ball Stud-Steering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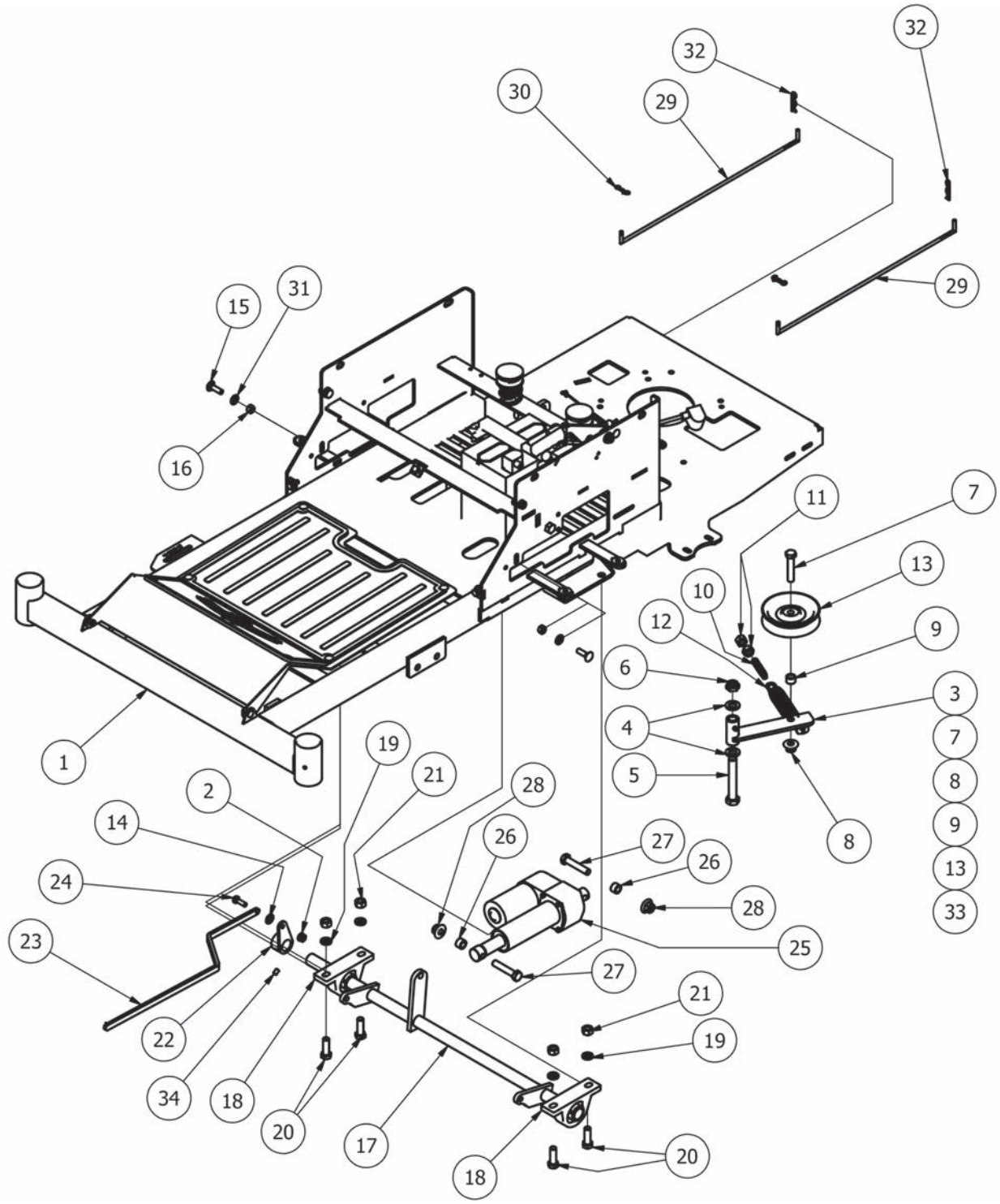
DETAIL A

Frame Top Assemblies			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	070-5410-00	ZT/cZT Frame 2013 Models
2	1	014-3420-00	2013 ZT/cZT Cooler Cover
3	1	079-3420-00	ZT/CZT FLOOR PANEL
4	6	018-8065-00	5/16" x 1" Carriage Bolt
5	7	013-8049-00	5/16-18 Nylon Flange Nut
6	1	054-8017-00	Choke
7	1	081-2010-00	Zt Floorboard Mat
8	6	040-6080-00	Ratchet Fastener
9	6	018-8040-00	1/4" x 3/4" Carriage Bolt
10	9	019-6042-00	.360 ID Plastic Washer
11	6	013-8073-00	1/4" Nylock Nut
12	3	030-7042-00	5/16 x 3/4 washer head type F screw
13	3	018-5043-00	3/8" x 1 1/4" Carriage Bolt
14	4	013-6014-00	3/8" Hex Nut
15	2	018-8066-00	5/16" x 7/8" Carriage Bolt
16	1	013-9002-00	5/16" Flange Nut
17	2	034-8045-00	Seat Spring
18	2	018-5040-00	3/8" x 1 1/4" Hex Bolt
19	5	019-5029-00	3/8" Flat Washer
20	2	019-5037-00	3/8" Lock Washer
21	1	044-4000-00	Seat Braket Pin
22	2	013-5300-00	1/2" Flange Nut
23	2	014-8047-00	Spring Cap Cover
24	1	108-5349-00	Solenoid
25	1	064-5300-00	24 in red battery cable
26	3	103-5300-00	Red Boot
27	1	068-8049-00	ZT Battery
28	1	064-5301-00	12 in red battery cable
29	3	013-9001-00	1/4-20 Hex Flange Nuts Zinc w/Serrations
30	1	043-8929-00	Hold Down Assembly
31	1	086-0005-00	Starter to chassis cable
32	4	018-8052-00	1/4-20 x 3/4 GR 5 Hex Bolts Zinc
33	2	103-5400-00	Black Boot For ground cable
34	1	069-1000-00	Brake Handle Cam Over
35	1	069-7000-00	Rubber Brake Grip-cZT/ZT 2013
36	1	077-8073-00	Safety Switch
37	2	018-1080-00	12-24x 1/2 HWH Bolt
38	2	019-2073-00	.390 ID Plastic Washer
39	1	013-9003-00	3/8 Nylock Jam Nut 1/2 Nut
40	1	026-1013-00	2013 ZT Seat Plate
41	1	036-5300-00	Seat Switch Adapter
42	4	030-3050-00	#10 x 1/2" Self Taping Screw
43	4	029-4010-00	Button Bumper
44	1	032-5053-00	Bronze Bushing SF-1220-8
45	1	019-6017-00	.635 ID Plastic Washer
46	2	013-6051-00	3/8" Fine Threaded Jam Nut
47	1	040-6060-00	Seat latch pin
48	1	064-1000-00	seat pin lanyard
49	1	064-3000-00	Brake Cable
50	5	086-1201-00	Relay Terminal
51	1	086-3050-00	Harness-ZT Only 2008 and up
52	2	030-7040-00	1/4 x 1 Hex Head tek screw
53	2	013-9005-00	5/16-18 Nylock Jam Nut 1/2 Nut
54	1	071-2020-00	2013 ZT Seat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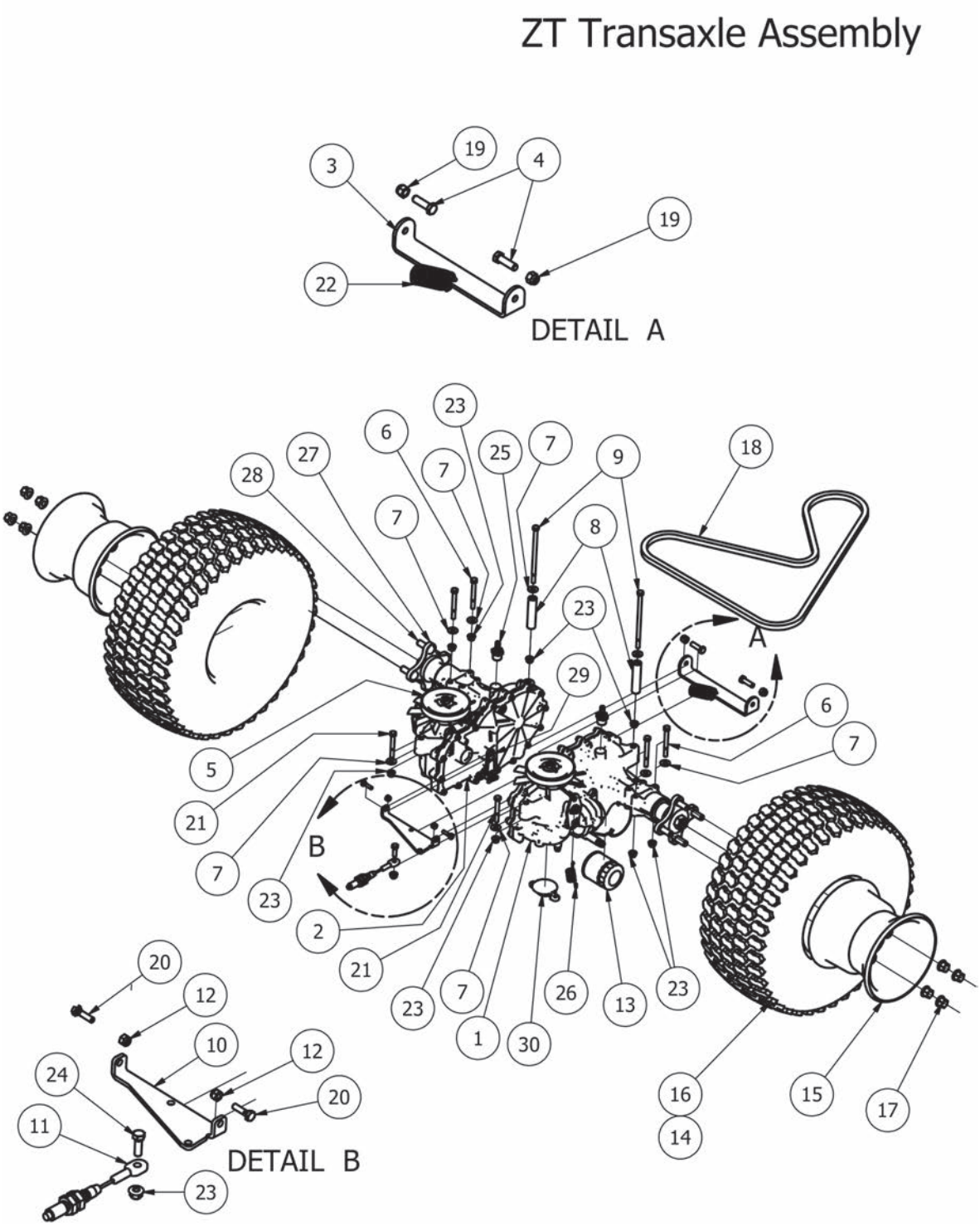
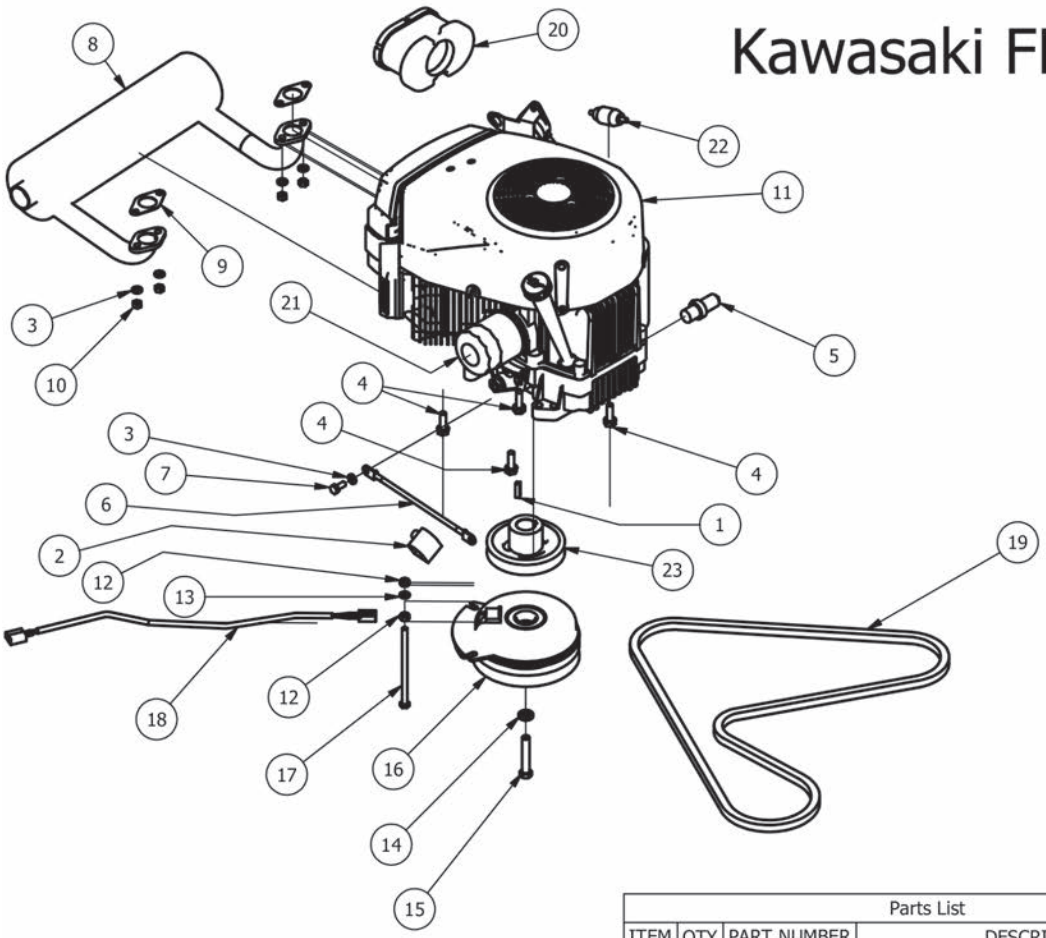
Frame Bottom Assemblies			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	070-5410-00	ZT/cZT Frame 2013 Models
2	1	013-8049-00	5/16-18 Nylon Flange Nut
3	1	039-5944-00	Pump Idler Bracket
4	2	019-6017-00	.635 ID Plastic Washer
5	1	018-5311-00	5/8" x 4" Hex Bolt
6	1	013-5301-00	5/8" Nylock (1/2 Jam)
7	1	018-6036-00	1/2" x 2 1/2" Hex Bolt
8	1	013-8050-00	1/2-13 Nylon Flange Nut-Orange
9	1	025-7036-00	1/2 x 1/2 Spacer
10	1	018-2004-00	All Thread-pump Idler Tensioner
11	2	013-7018-00	1/2" Hex Nut
12	1	034-2009-00	2009 Deck/Pump Idler Spring
13	1	033-6001-00	4 3/4" Idler Pulley
14	9	019-6042-00	.360 ID Plastic Washer
15	3	018-5043-00	3/8" x 1 1/4" Carriage Bolt
16	4	013-6014-00	3/8" Hex Nut
17	1	028-4020-00	Actuator Bar-Transaxle
18	2	017-7008-00	pillow block 2bolt sealmaster
19	4	019-5007-00	1/2" Lock Washer
20	4	018-5006-00	1/2" x 1 1/2" Hex Bolt
21	4	013-7018-00	1/2" Hex Nut
22	1	031-7000-00	Height Indicator Lever
23	1	028-2502-00	Height Indicator Bar
24	1	018-2007-00	5/16" x 1" Bolt
25	1	035-7033-00	Actuator
26	2	025-7036-00	1/2 x 1/2 Spacer
27	2	018-6036-00	1/2" x 2 1/2" Hex Bolt
28	2	013-8050-00	1/2-13 Nylon Flange Nut-Orange
29	2	031-0060-00	ZT Neutral level rod 2011
30	2	044-2004-00	Bow Pin
31	5	019-5029-00	3/8" Flat Washer
32	2	040-2008-00	Neutral Rod Clip
33	1	039-5944-98	Pump Idler Assembly (Components 3,7,8,9,13)
34	1	030-0050-00	5/16 Set Screw

ZT Transaxle Assembly



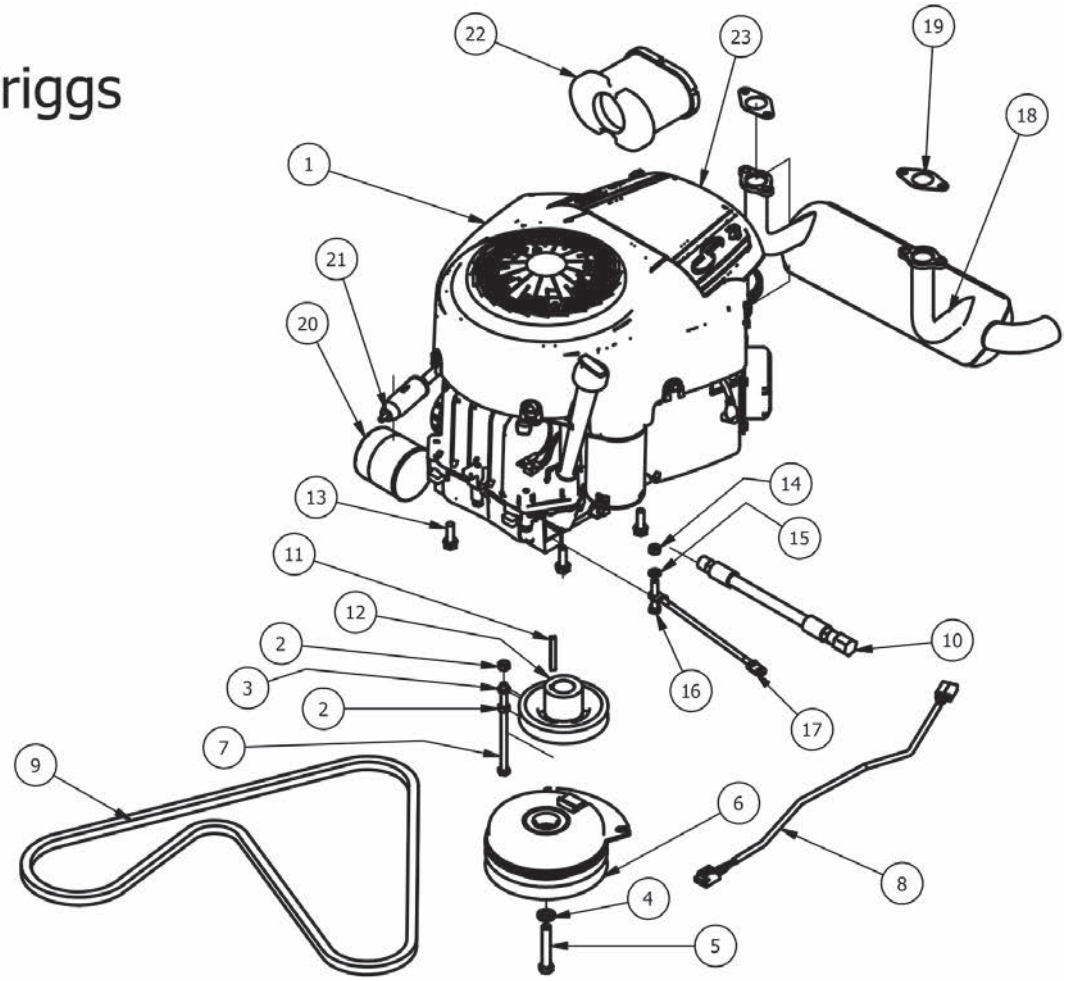
ZT Transaxle Assembly			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	050-2081-00	Left ZT Transaxle
2	1	050-2080-00	Right ZT Transaxle
3	1	028-4801-00	Crossover Bar for ZT
4	2	018-3000-00	3/8" x2" Hex Bolt
5	2	050-2075-00	Fan/Pulley Kit
6	4	018-4701-00	5/16" x 3" Hex Bolt
7	8	019-8044-00	5/16" Flat Washer
8	2	025-5340-00	3 1/4" Spacer
9	2	018-5355-00	5/16" x 6" Bolt
10	1	039-0053-00	ZT Crossover Brake Bracket
11	1	064-3000-00	Brake Cable Stand On
12	2	013-8073-00	1/4" Nylock Nut
13	2	063-1050-00	Transaxle Filter
14	2	022-6000-00	20 x 10.5-8 Tire/Wheel Assy
15	1	022-6002-00	8 Inch Wheel
16	1	022-6001-00	20X10-8 Turf Tire
17	8	013-3000-00	Acorn Lug Nut
18	1	041-6400-00	Pump Belt
19	2	013-5041-00	3/8 Nylock Nut
20	2	018-4007-00	1/4-20 x 1 GR 5 hex bolt zinc
21	2	018-5344-00	5/16" x 2 1/2" Bolt
22	1	034-9000-00	ZT spring
23	9	013-8049-00	5/16" Nylon Flange Nut
24	1	018-2007-00	5/16" x 1" Bolt
25	2	024-1200-00	45 degree fitting
26	2	034-9080-00	Transaxle Spring
27	2	050-2076-00	ZT Transaxle Hub
28	8	050-2012-00	Transaxle Wheel Studs
29	1	092-8000-00	Transaxle Brake Lever
30	2	050-2071-00	ZT Transaxle Charge Plate/With O'Ring

Kawasaki FR-730V



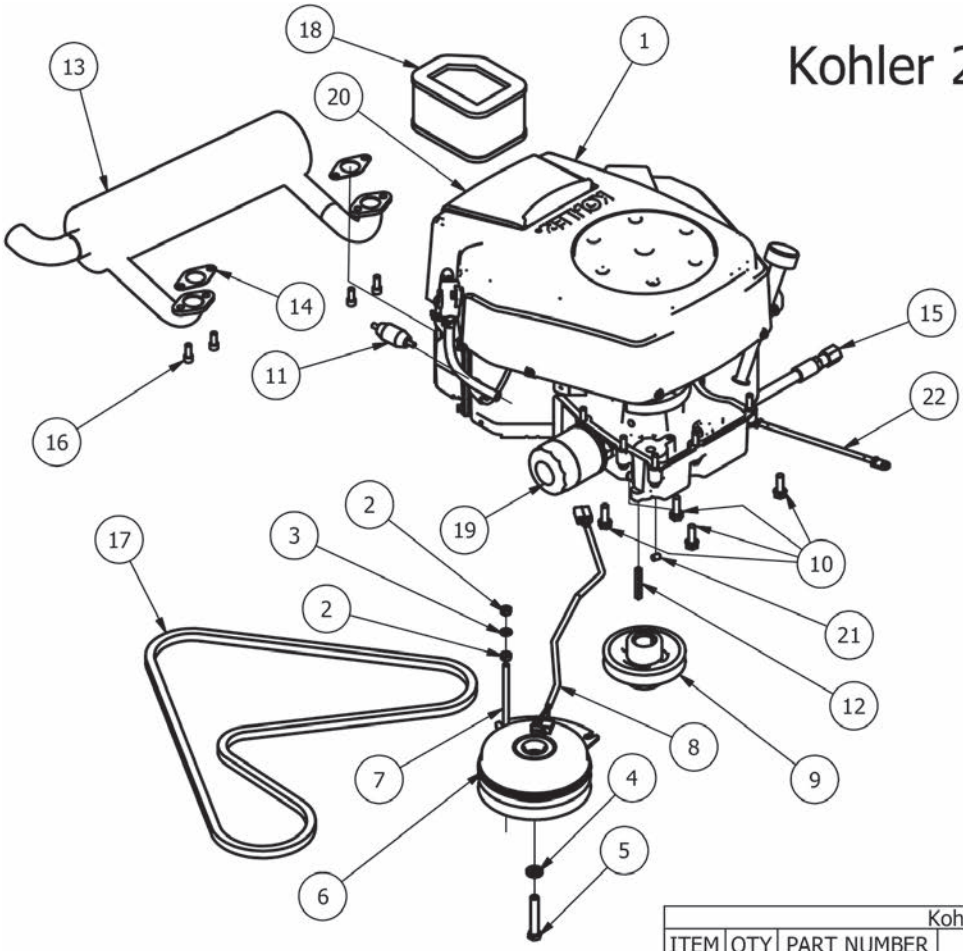
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	042-6030-00	1/4" x 1" Key
2	1	103-5400-00	Black Boot For ground cable
3	5	019-8051-00	5/16" Lock Washer
4	4	018-1075-00	3/8 x 1 1/8 bolt
5	1	015-5404-00	oil drain
6	1	086-0005-00	Starter to chassis cable
7	1	018-5321-00	M8x1.20x20MM Hex head bolt
8	1	015-0038-00	Kawasaki Exhaust
9	2	015-2709-00	Exhaust gasket
10	4	013-0075-00	M8-1.25 Zinc Nut
11	1	015-0090-00	FR730V Kawasaki Engine-1.125" Shaft
12	2	013-8043-00	5/16" Nut
13	1	019-8051-00	5/16" Lock Washer
14	1	019-8053-00	7/16" Lock Washer
15	1	018-5300-00	7/16" x 2 1/2" Hex Bolt
16	1	070-1000-00	Clutch Assembly
17	1	018-5350-00	5/16-18 x 5-1/2 GR 5 Hex Bolt
18	1	070-2000-00	Clutch Pigtail
19	1	041-6400-00	Pump Belt
20	1	063-2097-00	Kaw air Filter For Engine
21	1	063-8017-00	Oil Filter
22	1	063-6000-00	Universal inline Fuel Filter
23	1	033-5035-00	4 3/4 Motor Pulley

27 HP Briggs

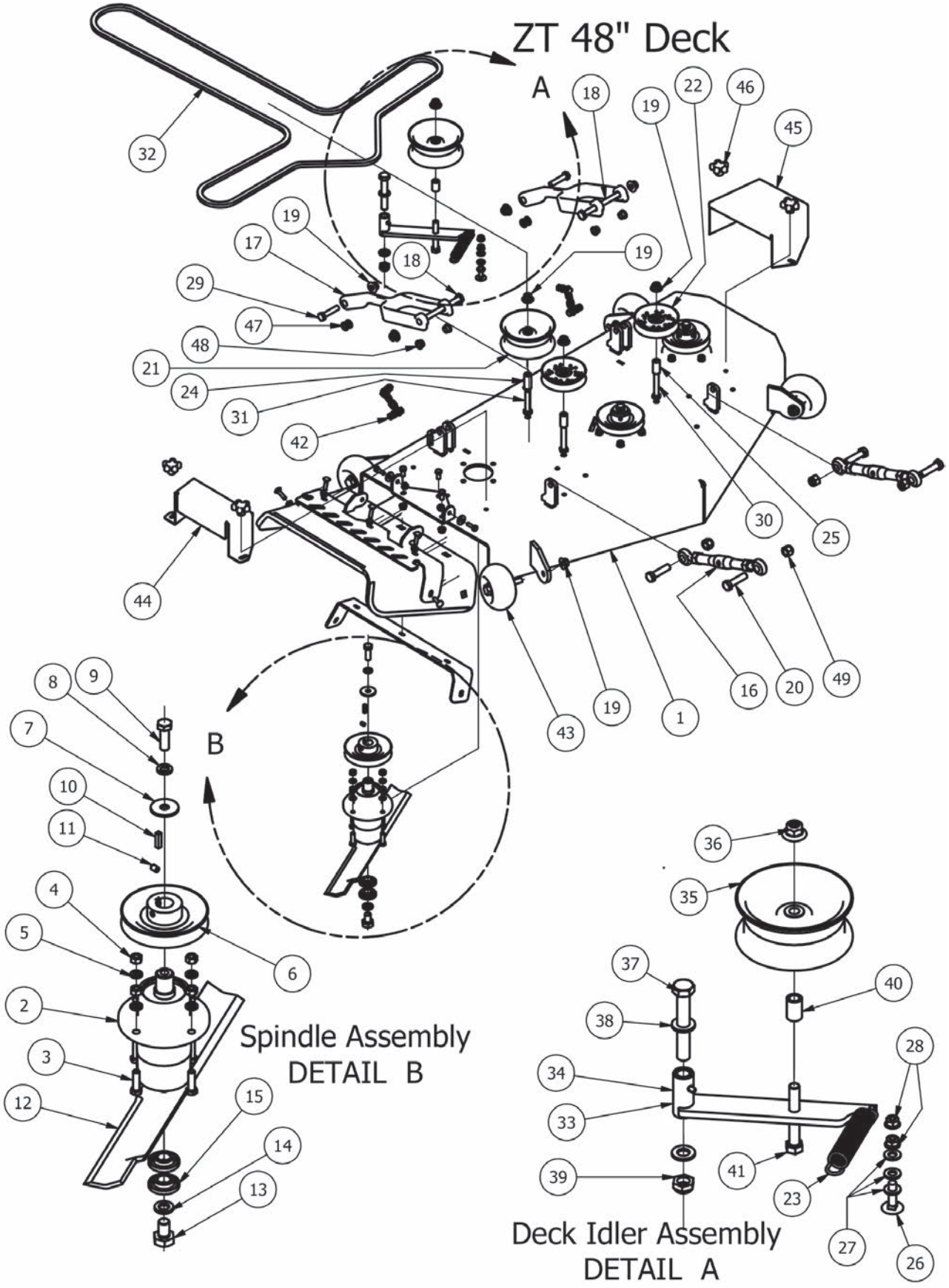


Briggs 27 Hp			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	015-3051-00	27Hp Briggs Engine Pro Series
2	2	013-8043-00	5/16" Nut
3	1	019-8051-00	5/16" Lock Washer
4	1	019-8053-00	7/16" Lock Washer
5	1	018-5300-00	7/16" x 2 1/2" Hex Bolt
6	1	070-1000-00	Clutch Assembly
7	1	018-5350-00	5/16-18 x 5-1/2 GR 5 Hex Bolt
8	1	070-2000-00	Clutch Pigtail
9	1	041-6400-00	Pump Belt
10	1	051-5401-00	Oil drain Hose
11	1	042-5020-00	1/4 x 2 Square key Stock
12	1	033-5035-00	4 3/4 Motor Pulley
13	3	018-1075-00	3/8 x 1 1/8 bolt
14	1	013-8043-00	5/16" Nut
15	1	019-8051-00	5/16" Lock Washer
16	1	018-8059-00	5/16" x 1 3/4" Hex Bolt
17	1	086-0005-00	Starter to chassis cable
18	1	015-0027-00	27 Hp Briggs Exhaust
19	2	015-2751-00	Exhaust Gasket for 27, 30 HP
20	1	063-8018-00	Oil Filter
21	1	063-6000-00	Universal inline Fuel Filter
22	1	063-4000-00	Air Filter W/Cleaner 26 Int
23	1	015-2702-00	26 & 27 Briggs Air Filter Cover

Kohler 27HP Courage



Kohler 27HP			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	015-2700-00	Kohler27 HP Courage
2	2	013-8043-00	5/16" Nut
3	1	019-8051-00	5/16" Lock Washer
4	1	019-8053-00	7/16" Lock Washer
5	1	018-5300-00	7/16" x 2 1/2" Hex Bolt
6	1	070-1000-00	Clutch Assembly
7	1	018-5350-00	5/16-18 x 5-1/2 GR 5 Hex Bolt
8	1	070-2000-00	Clutch Pigtail
9	1	033-5035-00	4 3/4 Motor Pulley
10	4	018-1075-00	3/8 x 1 1/8 bolt
11	1	063-6000-00	Universal inline Fuel Filter
12	1	042-5020-00	1/4 x 2 Square key Stock
13	1	015-2750-00	27HP Kohler Exhaust
14	2	015-2751-00	Exhaust Gasket for 27, 30 HP
15	1	015-5401-00	Oil drain Valve
16	4	018-8067-00	5/16-18 x 3/4 Socket C/S
17	1	041-6400-00	Pump Belt
18	1	063-8080-00	Air Filter/Precleaner - Kohler
19	1	063-5400-00	Oil Filter -27& 30 Kohler
20	1	015-2701-00	27 KO Courage Air Cleaner Cover
21	1	030-0050-00	5/16 Set Screw
22	1	086-0005-00	Starter to chassis cable


ZT 48" Deck
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Spindle Assembly
DETAIL B
Deck Idler Assembly
DETAIL A
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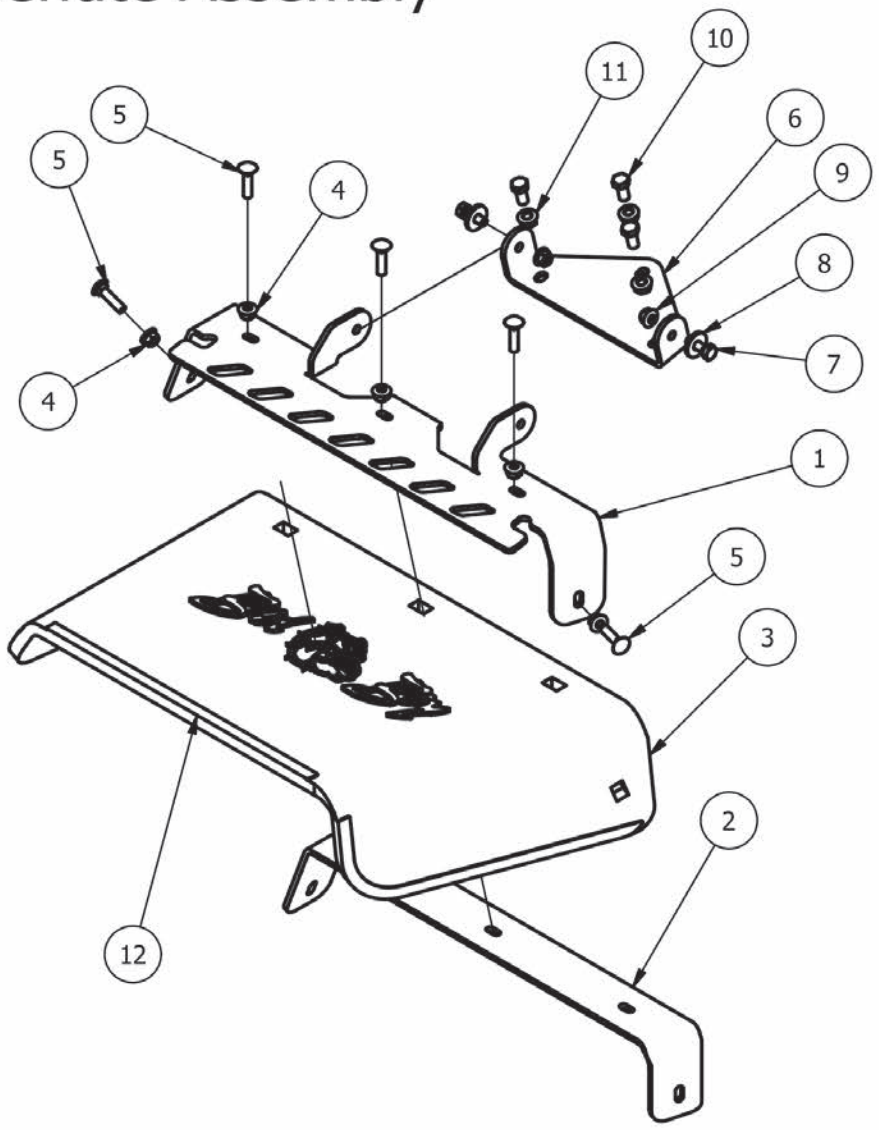
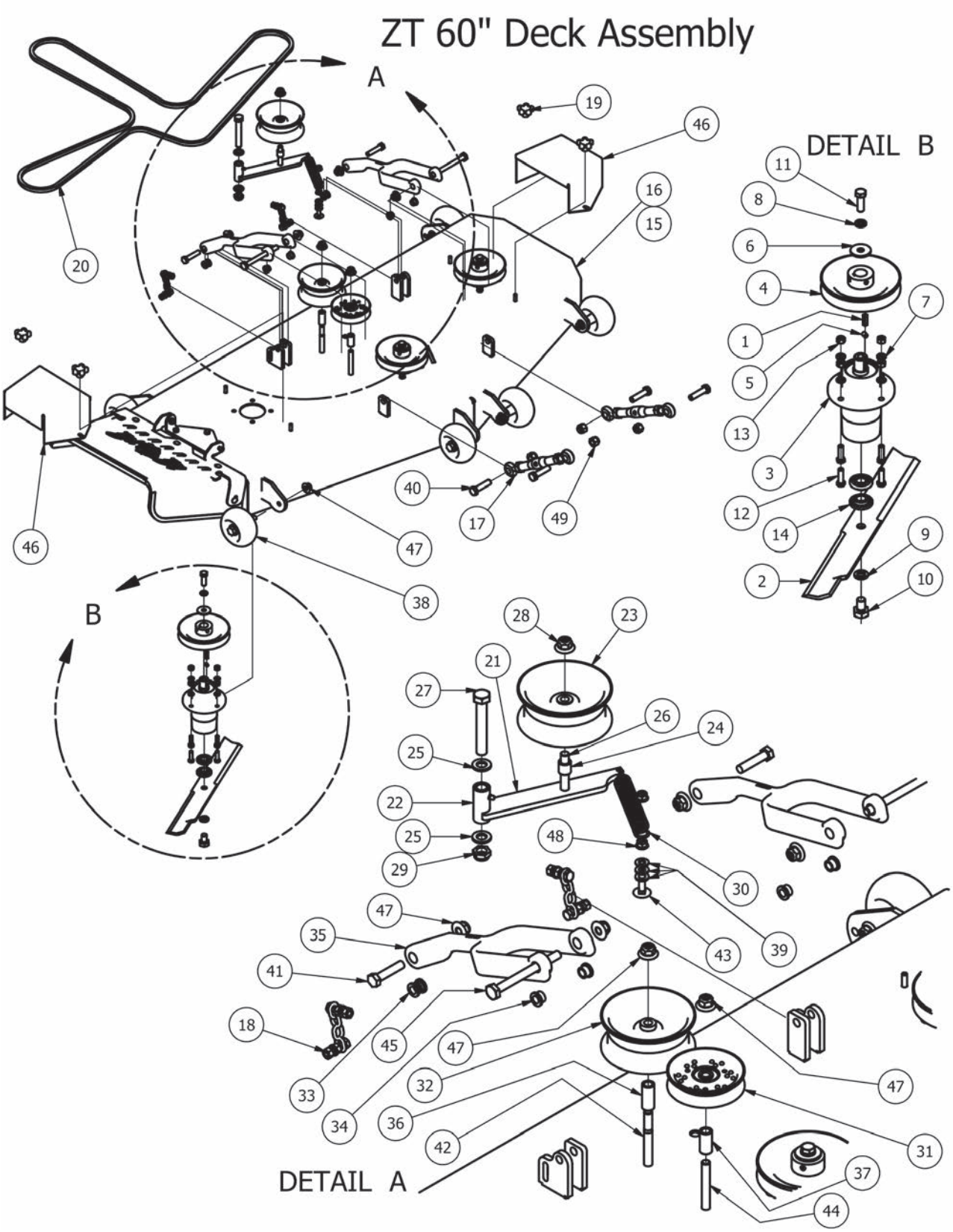
ZT 48" Deck			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	060-4800-00	48" Deck Only
2	3	037-6015-50	Spindle - Aluminum - 2012 ZT
3	12	018-5040-00	3/8" x 1 1/4" Hex Bolt
4	12	013-6014-00	3/8" Hex Nut
5	12	019-5037-00	3/8" Lock Washer
6	3	033-6003-00	5" Deck Pulley
7	3	019-6020-00	1/2 Belleville Washer
8	3	019-5007-00	1/2" Lock Washer
9	3	018-6019-00	1/2"-20 x 1 1/2 - Grade 5 Fine Thread Bolt
10	3	042-6030-00	1/4" x 1" Key
11	3	030-6029-00	3/8" Set Screw
12	3	038-5350-00	50 Inch Fusion Blade
13	3	018-6020-00	5/8" x 1 1/2" Grade 8 Bolt
14	3	019-4807-00	5/8" Lock Washer
15	6	037-6023-00	Spindle Bearing
16	2	048-6056-00	Turnbuckle (Top Link)
17	2	031-6010-00	Deck Arm Assembly
18	2	018-1090-00	1/2" x 5 1/2" Bolt
19	10	013-8050-00	1/2-13 Nylon Flange Nut-Orange
20	4	018-6059-00	5/8" x 2 1/2" Hex Bolt
21	1	033-5001-00	5 3/4" Deck Idler Pulley
22	2	033-6001-00	4-3/4 Idler Pulley
23	1	034-9035-00	Deck Idler Spring
24	1	025-5339-00	1 3/4" Pulley Spacer
25	2	025-5338-00	.502 ID X .75 OD X 1.500 Leng
26	1	018-4706-00	3/8 x 1-1/2 Carriage Bolt
27	3	019-5029-00	3/8" Flat Washer
28	2	013-5202-00	3/8" Nylock Flange Nut
29	2	018-6037-00	1/2-13X 2-1/4 GR Hex Bolts
30	2	018-2018-00	1/2 x 3 1/2 Flange Bolt Grade 8
31	1	018-5019-00	1/2" x 4" Bolt (Grade 8)
32	1	041-1470-00	48" Deck Belt
33	1	039-6936-50	Deck Idler Assembly 48" ZTComponents 34,35,36,40,41
34	1	039-6936-00	Deck Idler Bracket
35	2	033-5001-00	5 3/4" Deck Idler Pulley
36	1	013-8050-00	1/2-13 Nylon Flange Nut-Orange
37	1	018-5311-00	5/8" x 4" Hex Bolt
38	2	019-6017-00	.635 ID Plastic Washer
39	1	013-5301-00	5/8" Nylock (1/2 Jam)
40	1	025-5337-00	.502 x .750 x 1.25 Length Spacer
41	1	018-6054-00	1/2-13 x 3 1/2 GR 5 Hex Bolt
42	2	047-6050-00	Chain assembly
43	4	022-1000-00	Deck Wheel
44	1	014-4801-00	1/2 Metal Spindle Cover
45	1	014-6004-00	Pulley Cover
46	4	045-6043-00	5/16" Knob
47	4	032-5057-00	Flange for Lower Deck Arm
48	4	032-5056-00	Flange Bushing For Deck Arm upper
49	4	013-7021-00	5/8 Std NC Nylock Nut

ZT 48" Chute Assembly



ZT 48" Chute Assembly			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	039-4870-00	Upper Hanger
2	1	039-4871-00	Discharge Lower Chute Bracket
3	1	210-6005-00	Rubber Discharge Chute Rubber Only
4	5	013-8049-00	5/16" Nylon Flange Nut
5	5	018-4703-00	5/16" x 1 1/4" Carriage Bolt
6	1	206-6017-00	Discharge Chute Hanger (deck mounted)
7	2	018-2007-00	5/16" x 1" Bolt
8	2	019-6042-00	.360 ID Plastic Washer
9	2	013-8049-00	5/16" Nylon Flange Nut
10	3	018-5250-00	3/8" x 3/4" Hex Bolt
11	3	013-5201-00	3/8" Flange Nut
12	1	210-5218-00	48" Rubber Discharge Chute Assembly Components 1,2,3,4,5


ZT 60" Deck Assembly
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DETAIL B
DETAIL A
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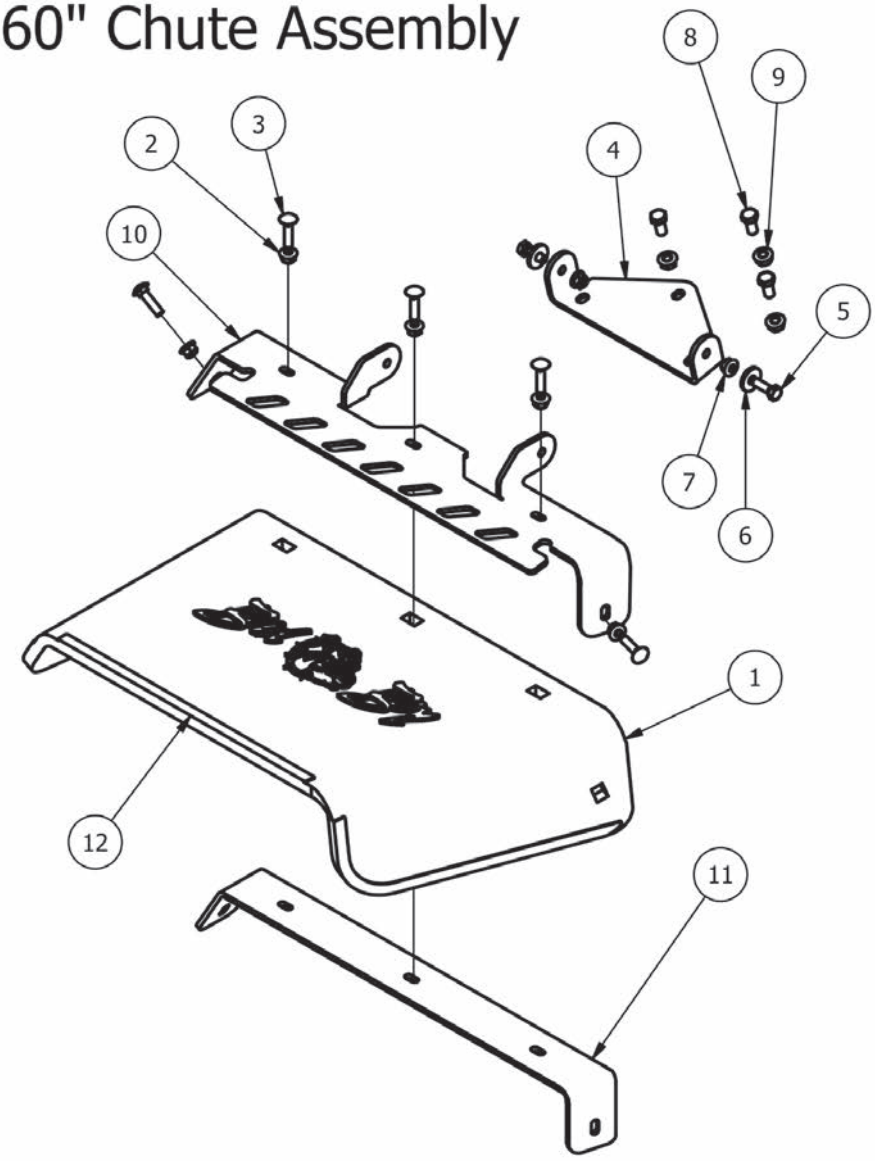
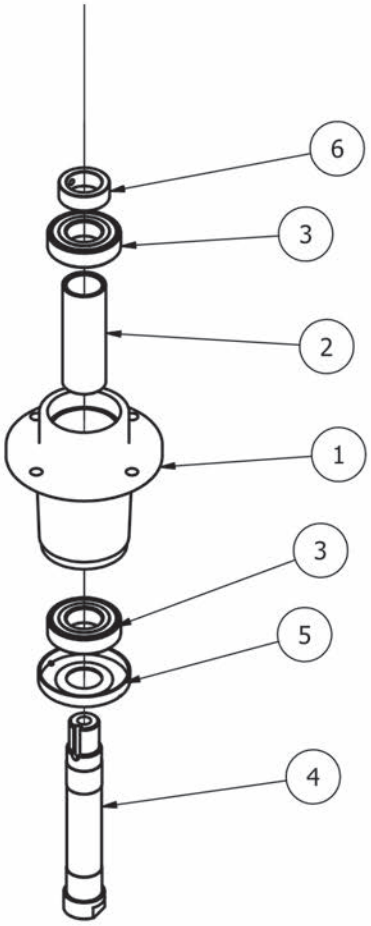
ZT 60" Deck			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	3	042-6030-00	1/4" x 1" Key
2	3	038-6060-00	60 Inch Fusion Blade
3	3	037-6015-50	Spindle - Aluminum - 2012 ZT
4	3	033-6004-00	6 1/4" Drive Pulley
5	3	030-0050-00	5/16 Set Screw
6	3	019-6020-00	1/2 Belleville Washer
7	12	019-5037-00	3/8" Lock Washer
8	3	019-5007-00	1/2" Lock Washer
9	3	019-4807-00	5/8" Lock Washer
10	3	018-6020-00	5/8" x 1 1/2" Grade 8 Bolt
11	3	018-6019-00	1/2"-20 x 1 1/2 - Grade 5 Fine Thread Bolt
12	12	018-5040-00	3/8" x 1 1/4" Hex Bolt
13	12	013-6014-00	3/8" Hex Nut
14	6	037-6023-00	Spindle Bearing
15	1	060-6005-98	60" ZT Deck Complete Assembly
16	1	060-6005-00	60" ZT Deck Only
17	2	048-6056-00	Turnbuckle (Top Link)
18	2	047-6050-00	Chain assembly
19	4	045-6043-00	5/16" Knob
20	1	041-1650-00	60" ZT Deck Belt
21	1	039-6936-98	Deck Idler Assembly components 22,23,24,26,28
22	1	039-6936-00	Deck Idler Bracket
23	1	033-5001-00	5 3/4" Deck Idler Pulley
24	1	025-5203-00	3/4 OD x 1/2 ID x 3\4 Length
25	2	019-6017-00	.635 ID Plastic Washer
26	1	018-7016-00	1/2-13 x GR 5 Hex Bolt Zinc
27	1	018-5311-00	5/8" x 4" Hex Bolt
28	1	013-8050-00	1/2-13 Nylon Flange Nut-Orange
29	1	013-5301-00	5/8" Nylock (1/2 Jam)
30	1	034-2008-00	60" Deck only Deck Idler Spring
31	1	033-6001-00	4-3/4 Idler Pulley
32	2	033-5001-00	5 3/4" Deck Idler Pulley
33	4	032-5057-00	Flange for Lower Deck Arm
34	4	032-5056-00	Flange Bushing For Deck Arm upper
35	2	031-6010-00	Deck Arm Assembly
36	1	025-5339-00	1 3/4" Pulley Spacer
37	1	025-5338-00	Pup Pulley Spacer
38	6	022-1000-00	Deck Wheel
39	3	019-5029-00	3/8" Flat Washer
40	4	018-6059-00	5/8" x 2 1/2" Hex Bolt
41	2	018-6037-00	1/2-13X 2-1/4 GR Hex Bolts
42	1	018-5019-00	1/2" x 4" Bolt (Grade 8)
43	1	018-4706-00	3/8 x 1-1/2 Carriage Bolt
44	1	018-2018-00	1/2 x 3 1/2 Flange Bolt Grade 8
45	2	018-1090-00	1/2" x 5 1/2" Bolt
46	2	014-6010-00	Pulley Cover
47	12	013-8050-00	1/2-13 Nylon Flange Nut-Orange
48	2	013-5202-00	3/8" Nylock Flange Nut
49	4	013-7021-00	5/8 Std NC Nylock Nut

ZT 60" Chute Assembly



ZT 60" Chute Assembly			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	210-6005-00	Rubber Discharge Chute (Rubber Only)
2	5	013-8049-00	5/16" Nylon Flange Nut
3	5	018-4703-00	5/16" x 1 1/4" Carriage Bolt
4	1	206-6017-00	Discharge Chute Hanger (deck mounted)
5	2	018-2007-00	5/16" x 1" Bolt
6	2	019-6042-00	.360 ID Plastic Washer
7	2	013-8049-00	5/16" Nylon Flange Nut
8	3	018-5250-00	3/8" x 3/4" Hex Bolt
9	3	013-5201-00	3/8" Flange Nut
10	1	039-4864-00	60" Upper Hanger Plate
11	1	039-4863-00	60" Lower Hanger
12	1	210-6004-00	60" Rubber Discharge Assembly Components 1,2,3,10,11

037-6015-50
Spindle - Aluminum -2012 ZT

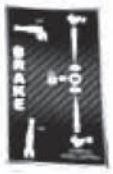


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	037-6017-50	Aluminum Spindle Housing -2010
2	1	037-8050-00	Tube Spacer for Spindle Shaft
3	2	037-6023-00	Spindle Bearing, 2004 and up
4	1	037-6026-00	Short Spindle Shaft w/Locking
5	1	037-8002-00	Dust Cover
6	1	037-9050-00	Collar Spacer - Top of Spindle

091-0910-00
2013 ZT Back Panel Decal-27hp

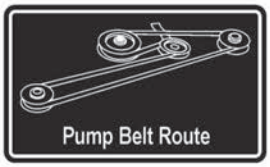
091-0911-00
2013 ZT Back Panel Decal-726cc

091-0906-00
2013 cZT/ZT Steering Speed Control Decal



091-0905-00
2013 cZT/ZT Brake/Steering Decal

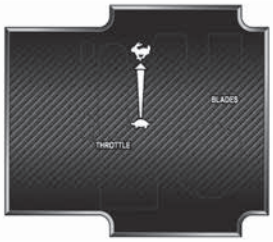
091-0900-00
2013 Elite Decal-Grill



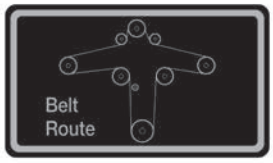
091-3017-00
Pump Belt Route Decal

091-3150-00
Outlaw Warning Decal

091-0903-00
2013 cZT/ZT -48"



091-0901-00
2013 cZT/ZT Instrument panel

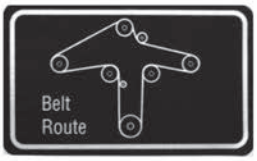


091-3309-00
48" Deck Belt Route Decal

091-3012-00
Danger Decal-
Spindle/Discharge

091-0905-00
2013 cZT/ZT -60"

091-0902-00
2013 cZT/ZT Logo Decal-Floorboard



091-3046-00
60" Deck Belt Route Decal

CAUTION
WHEN ADDING OIL FOR HYDROSTATICS,
USE 20W-50 MOTOR OIL.
DO NOT ADD AUTOMATIC
TRANSMISSION FLUID OR HYDRAULIC
FLUID! THIS WILL VOID THE WARRANTY

091-1020-00
MZ Hydraulic Decal

NOTES:

NOTES:

2013 LIMITED WARRANTY
FOR
BAD BOY ZT ELITE SERIES

1. WHAT THIS WARRANTY COVERS, AND FOR HOW LONG:

Bad Boy, Inc. will, at its option, repair or replace, without charge, any part covered by the warranty which is found to be defective in material and/or workmanship within the lesser of two (2) years* or 200 hours after the date of sale to the original retail purchaser **unless the product is: A. used for rental purposes, in which case there is no warranty or B. used for commercial purpose, in which case there is a 1 year (or 200 Hours), parts only warranty** .

Labor for all warranted parts will also be covered for 2 years from the date of sale to the original purchaser.

The leading edge of the deck shell will be warranted for the entire lifetime of the machine to the original purchaser against defects in materials and workmanship. Labor required to repair or replace the leading edge of the deck shell will be covered by Bad Boy, Inc for the first two years and at the unit owner's expense during the balance of the lifetime of the machine.

Belts are warranted for a period of ninety (90) days against materials or workmanship defects.

At Bad Boy, Inc.'s request, the customer will make the defective part available for inspection by Bad Boy, Inc. and/or return the defective part to Bad Boy, Inc., **transportation charges prepaid**.

2. WHAT THIS WARRANTY DOES NOT COVER:

A. This warranty does not cover defects caused by depreciation or damage caused by normal wear, accidents, improper maintenance, improper use or abuse of the product, alterations, or failure to follow the instruction contained in the Owner's Manual for operation and maintenance.

B. The customer shall pay any charges for making service calls and/or for transporting the mower to and from the place where the inspection and/or warranty work is performed.
Bad Boy Inc will not be responsible for the pickup and delivery of a machine for warranty purposes.

C. **Engines** are warranted separately by their respective manufacturer. The available warranties covering this item are furnished with each mower. Bad Boy, Inc does not assume any warranty obligation, liability or modification for this item, which is covered exclusively by the stated warranty of the respective manufacturers.

D. **Tires, blades, deck anti-scalping wheels, and hoses** are considered to be consumable wear items and are therefore **not warranted**.

E. **Batteries** are warranted for six months **(free replacement)** from the retail purchase date against materials or workmanship defects. ***The battery warranty must be obtained through the battery manufacturer***.

3. HOW TO OBTAIN SERVICE UNDER THIS WARRANTY:

A. Warranty service can be arranged by contacting the dealer where you purchased the mower or by contacting Bad Boy, Inc. Proof of the date of purchase may be required to verify warranty coverage.

B. Warranty claims will not be reviewed or paid unless the warranty registration is received by Bad Boy, Inc. within *30 days of the retail purchase date.*

4. WARRANTY LIMITATION:

A. **THERE IS NO OTHER EXPRESS WARRANTY. ANY WARRANTY THAT MAY BE IMPLIED FROM THIS PURCHASE INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IS HEREBY LIMITED TO THE DURATION OF THIS WARRANTY AND TO THE EXTENT PERMITTED BY LAW ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED.** Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

B. **BAD BOY, INC. WILL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES AND/OR EXPENSES IN CONNECTION WITH THE PURCHASE OR USE OF THE MOWER.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation(s) or exclusion(s) may not apply to you.

C. Only the warranty expressed in this limited warranty shall apply and no dealer, distributor, or individual is authorized to amend, modify, or extend this warranty in any way. Accordingly, additional statements such as dealer advertising or presentations, whether oral or written, do not constitute warranties by Bad boy, Inc., and should not be relied on.

D. This warranty extends only to turf equipment operated under normal conditions and properly serviced and maintained. The warranty expressly does not cover (i) any defects, damage or deterioration due to normal use, wear and tear, or exposure; (ii) normal maintenance services such as oil change, cleaning, lubrication, adjustment; (iii) replacement of services, items, such as oil, lubricants, spark plugs, belts, rubber hoses or other items subject to normal service replacement; (iv) damage or defects arising out of or relating to misuse, neglect, alteration, negligence or accident; (v) repair or replacement arising from operation of or use of the turf equipment which is not in accordance with operating instructions as specified in the operator's manual or other operational instructions provided by Bad Boy Inc.; (vi) repair or replacement arising as a result of any operation from turf equipment that has been altered or modified so as to, indetermination of Bad Boy, Inc., adversely affect the operation, performance or durability of the equipment or that has altered, modified or affected the turf equipment so as to change the intended use of the product; (vii) repair or replacement necessitated by use of parts, accessories or supplies, including gasoline, oil or lubricants, incompatible with the turf equipment or other than as recommended in the operator's manual or other operational instructions provided by Bad Boy, Inc.; (viii) repairs or replacements resulting from parts or accessories which have adversely affected the operation, performance or durability of the turf equipment; or (ix) damage or defects due to or arising out of repair of turf equipment by person or persons other than an authorized Bad Boy, Inc., service dealer or the installation of parts other than genuine Bad Boy, Inc., recommended parts.
As a condition to this warranty, customer shall have read the operator's manual and shall have returned to Bad Boy, Inc., within the prescribed time, the enclosed warranty registration card.

E. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Bad Boy, Inc.
102 Industrial Drive
Batesville, AR 72501
1.866.622.3269

www.badboymowers.com

Technical Support:

Brad Covington ..... brad.covington@badboymowers.com
Taylor Prince ..... taylor.prince@badboymowers.com
James Russell ..... james.russell@badboymowers.com

Warranty:

Dustin Tissiere ..... dustin@badboymowers.com

Parts:

Chris Epperson ..... chris.epperson@badboymowers.com
Robert Patterson ..... robert.patterson@badboymowers.com

Cut and Mail or Fill Out Online under 'Owners' at www.badboymowers.com

WARRANTY REGISTRATION

Full Name _____

Address _____

City _____

State _____ Zip _____

SERIAL # ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

Purchase Date _____ Telephone _____

Purchased From _____

"I certify that I have been properly instructed on operating this machine."

_____ _____

For additional information, please see us at

www.badboymowers.com

Bad Boy, Inc.
102 Industrial Drive
Batesville, Arkansas 72501
(870) 698-0090

Cut and Mail or Fill Out Online under 'Owners' at www.badboymowers.com

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102 Industrial Drive
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